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HOME

Roosevelt University is a private, nonsectarian community of educators, scholars, and learners committed to academic, creative, and service excellence. We value differences in personal experiences and perspectives, ask the difficult questions, and promote mutual understanding, inclusion, social consciousness, and action toward social justice.

We believe that difference broadens perspectives and seek and serve a diverse, promising student body from metropolitan Chicago and around the world.

The Roosevelt University experience is characterized by strong student-faculty interaction and engagement with metropolitan Chicago as both a laboratory for learning and as an expression of the university’s commitment to social justice. Faculty members are dedicated to excellence in teaching, research, and creative activity, and staff members are equally focused on helping students grow and achieve their educational and life goals.

The university is an active partner in the social, economic and cultural development of the communities it serves, offering a broad array of academic programs, from the baccalaureate through doctoral levels, in an interactive environment in which students can explore, discover, and develop their unique abilities and interests.

Mission statement

Reflecting the ideals of its founders in 1945, Roosevelt University is a private, nonsectarian community of educators, scholars, and learners committed to academic, creative, and service excellence who value differences in personal experiences and perspectives; ask the difficult questions; and promote mutual understanding, inclusion, social consciousness, and action toward social justice. Recognizing that difference broadens perspectives, Roosevelt University seeks and serves a diverse, promising student body from metropolitan Chicago and around the world.

The hallmarks of the Roosevelt University experience are strong student-faculty interaction and engagement with metropolitan Chicago as both a laboratory for learning and as an expression of its commitment to social justice. The experience is created through the efforts of a strong faculty dedicated to excellence in teaching, research, and creative activity and a staff equally focused on helping students grow and achieve their educational and life goals.

Roosevelt is a metropolitan university that is an active partner in the social, economic, and cultural development of the communities it serves. It offers a broad array of academic programs, from associate degrees to doctoral degrees, in a highly interactive environment where students can explore, discover, and develop their unique abilities and interests.

History

Roosevelt’s founding in 1945 as an independent, coeducational institution of higher learning was a feat requiring considerable courage. The new school had no campus, no library, and no endowment. But its founders had an idea that enabled them to overcome great obstacles. They were determined to make higher education available to all students who could qualify academically.

Considerations of social or economic class, racial or ethnic origin, sex, or age were, and remain, irrelevant in determining who is admitted. Originally named Thomas Jefferson College, the new school was soon renamed Roosevelt College in recognition of Franklin and Eleanor Roosevelt’s democratic ideals and values. Members of the early advisory boards included Eleanor Roosevelt, Marian Anderson, Pearl Buck, Ralph Bunche, Albert Einstein, Thomas Mann, and Gunnar Myrdal.

The Roosevelt experiment has been a success from the start. Unencumbered by tradition, Roosevelt has been free to pioneer new educational programs and democratic decision making. Student representatives are voting members of the University Senate; and faculty, alumni, and student representatives serve on the Board of Trustees.

Students meet the same high standards of academic excellence as those that characterize any first-rate university, and the university keeps its doors open to residents of Chicago, to students who work full-time to support themselves, and to students who are the first members of their families to attend college.

Current enrollment is more than 5,000 students, about 40 percent of whom are pursuing graduate studies. A large percentage of Roosevelt students also work either full time or part time.

Nondiscrimination statement

Roosevelt University has been committed in its programs and activities from its inception to a policy on nondiscrimination. No person shall be discriminated against because of age, ancestry, citizenship, color, creed, disability, gender, gender identity, marital status, military status, national origin, parental status, race, religion, sexual orientation, source of income, unfavorable discharge from military service, veteran status, or as a result of being the victim of domestic or sexual violence in its programs and activities.
UNDERGRADUATE

This catalog provides official information on undergraduate academic programs and policies in effect at the university for the academic year 2020-2021.

What this catalog means for you

The Roosevelt University Academic Catalog ("Catalog") provides information regarding current educational programs, class offerings, academic regulations, and University policies and procedures. This Catalog is revised annually and published online for each academic year.

Graduation requirements are typically determined by the year you entered Roosevelt University. You may refer to the Catalog for your entering year to determine your program requirements. Former degree-seeking students who have been away for three years or more must comply with degree requirements in the current catalog.

The requirements presented in the catalog also will be reflected in the Degree Works (https://www.roosevelt.edu/current-students/academics/degree-works/) system, which students, faculty, and advisors use to track students’ progress in their academic programs. All degree-seeking students entering Roosevelt as of fall 2014 and later will have a Degree Works (https://www.roosevelt.edu/Registrar/DegreeWorks.aspx) audit that details the exact requirements that must be met for graduation.

The University expressly reserves the right to change without prior notice the contents of this Catalog, including by changing, phasing out, or discontinuing any policy or program. Such changes may include changes to policies, course, scholastic and admission requirements, tuition and fees, payment plans, examinations, room and board rates, and academic requirements for graduation. If such changes are made, the University will communicate those changes via University email or other widely used media.

Notwithstanding the University’s efforts to communicate changes, each student is expected to make a reasonable effort to familiarize themselves with the Catalog and any of its subsequent revisions, including program and degree requirements pertaining to their majors and with general regulations governing academic work and progress. Students are strongly encouraged to seek information and assistance from appropriate University personnel should they have any questions regarding the Catalog or any of their rights and obligations as a student.

How to use this catalog

- Under the Programs A-Z tab above are the current requirements for all majors, minors, and concentrations offered to undergraduate students.
- Under the Courses A-Z tab, above, is current course information, including the number of credit hours and prerequisites. The catalog lists all courses; not all are offered each term. Check the Coursefinder to determine offerings for a specific term.
- Under the Academic Policies tab, above, is information on university-wide policies and links to important procedures such as registering for classes and applying to graduate. The four colleges at Roosevelt offering undergraduate programs also have policies of their own, meaning that it’s important to consult those entries in the catalog as well.
ADMISSION

Undergraduate Admission

Roosevelt University is committed to educating students of diverse backgrounds, ages, and school and work experiences. Each student who applies is evaluated on individual merit.

Undergraduate admission materials vary by type of student (freshman, transfer, student-at-large, international) and by the college (Arts and Sciences, Education, Heller College of Business or Chicago College Performing Arts). Test scores and grade point averages are a part of this evaluation; some programs have additional requirements such as auditions or interviews. Other programs require that prerequisite course work be taken before beginning a major.

DEGREE-SEEKING STUDENTS

Freshman applicants

Students who have graduated from high school or completed a GED and who have completed fewer than fifteen (15) credit hours of transferable college credit are freshman applicants. Hours completed through dual-enrollment, AP and/or IB credit prior to high school graduation do not apply to the fifteen (15) transferable hours.

Required documents: In addition to the completed application, freshmen must submit official high school or GED transcripts, official transcripts from any colleges attended, and either the American College Testing Program (ACT) or College Board’s Scholastic Aptitude Test (SAT) standardized test scores. Current high school students may submit official transcripts to be considered for admission any time after completion of at least three years of high school course work. A final official transcript will be required upon graduation. Scores may be posted on official high school transcripts. Roosevelt’s ACT code is 1124; SAT code is 1666.

It is strongly recommended that students have fifteen (15) units of credit from an accredited high school.

GED Applicants: Adult students with no transfer credit and those with a GED who have not taken the ACT or SAT within two years of applying are required to take the Roosevelt University Assessment as part of the admission process.

Homeschool Applicants: Applicants participating in a Home Education or Non-Traditional High School Program must present a transcript from the home school educator. In addition, all other standard freshmen applicant documents apply.

Verification of high school completion

The Office of Admission will confirm that all students’ transcripts arrive from a high school with a College Entrance Exam Board code, as well as the high school seal and/or signature. If a transcript is from a high school that lacks a CEEB code or seal/signature, the Office of Admission will investigate to confirm the school is recognized by the Illinois State Board of Education or home school association. The Office of Admission may request a copy of the student’s diploma at any point in the admission process to the verification process. If a diploma is determined to be invalid, a GED may be required for admission.

Transfer applicants

Students who have earned fifteen (15) or more semester hours of transferable college credit since receiving a standard high school diploma or its equivalent are considered transfer applicants. Hours must be earned at a regionally accredited institution to be considered transferable.

Required documents: In addition to the completed application, official transcripts must be received from each college where course work was attempted, regardless of credits earned. A transcript is considered “official” when it is embossed with the institutional seal and delivered in a sealed envelope on institutional stationery.

Transfer Credit Policy

Transfer credit is accepted from regionally accredited colleges and universities. Detailed information is available in the Transfer Credit Policy (https://www.roosevelt.edu/~/media/Files/pdfs/registrar/Transfer-Credit-Policy.pdf), found on the university’s web site.

Specific types of credit also are accepted:

• Details on College-Level Examination Program credit are available on the placement test page (https://www.roosevelt.edu/current-students/academics/placement-tests/).
• Details on Advanced Placement and International Baccalaureate credit are available on the Admission web pages (https://www.roosevelt.edu/admission/undergraduate/).
• Details on the Musicianship Proficiency tests are available on the Chicago College of Performing Arts web pages (https://www.roosevelt.edu/current-students/academics/placement-tests/).

International applicants

Students applying to Roosevelt University are considered international if they are not U.S. Citizens and if they require a visa to remain in the United States.

Required documents: All students who have completed coursework outside the United States are required to submit a Foreign Credential Evaluation (https://www.roosevelt.edu/admission/international/foreign-credentials/). Additionally, all individuals who have completed education outside the United States are required to meet the University’s English Language Proficiency Requirement (https://www.roosevelt.edu/admission/international/english-language-proficiency/). Any coursework completed within the United States also require official transcripts per the Freshmen or Transfer applicant guidelines.

Application Deadlines

For application deadlines please visit the International Student Admission Requirements (https://www.roosevelt.edu/admission/international/) page.

Roosevelt accepts international students each Fall and Spring semester, except when applying to the College of Pharmacy.

Financial and Immigration Information

International students who wish to study as an F-1 Student must submit the following additional documents in order to receive a form I-20:
• A photocopy of their passport information page
• Evidence of funds to cover the first year’s tuition, fees, housing and living expenses (books, supplies, insurance, personal items) in the form of bank statements or a letter from the bank
• Affidavit of Support form (if the finances you will be using belong to a parent or other relative)

If the student will have a financial sponsor, the student’s sponsor should complete the Affidavit of Support and submit it with an official bank statement. If you have received a scholarship, you may use this to show part of your funding.

For more information on the admission process for international students please visit the International Admission web page (https://www.roosevelt.edu/admission/international/).

Readmission applicants
Former degree-seeking Roosevelt students who have not been enrolled for three consecutive semesters (excluding summer) must submit an application for readmission to the Office of Admission. Students who have attended another college or university since last attending Roosevelt must submit an application for readmission (https://www.roosevelt.edu/admission/apply/#lblSupportTitle), and official transcripts from all institutions attended to the Office of Admission.

Students that were academically suspended in their last term enrolled must be reinstated by the Office of Academic Advising.

Readmitted students must contact their college to confirm their intention to continue and to obtain up-to-date information on degree requirements. Former degree-seeking students who have been away for three years or more must comply with degree requirements in the current catalog.

NON-DEGREE SEEKING STUDENTS

Students not pursuing a degree are called students at large. There are students who meet a program’s admission requirements and wishes to pursue a limited course of study, rather than a bachelors or graduate degree. Complete the Student-At-Large Application (https://www.roosevelt.edu/admission/undergraduate/) to begin the admission process. Students-at-Large cannot register online. Registration must be completed in person, by fax, or by mail.

GENERAL ADMISSIONS INFORMATION

Academic Review Committee

Freshmen: Students with a 3.0 unweighted GPA or higher and a composite 17 ACT or 910 SAT who do not meet minimum admissions requirements are eligible to be reviewed by the Academic Review Committee.

In order to be reviewed, students must submit a personal statement to their admissions counselor.

Transfer: Students with at least a 1.85 cumulative transfer GPA are eligible to be reviewed by the Academic Review Committee.

In order to be reviewed, students must submit a personal statement to their admissions counselor.

To be reviewed by the Academic Review Committee, please submit your Academic Review Committee Essay (https://applyru.roosevelt.edu/register/ARCessay/) via the application portal. Log-in required.

*Students admitted through the Academic Review Committee are ineligible for merit-based scholarships or the RU Grant.

**Applicants are reviewed on a monthly basis. Students submitting documents to the committee for review should do so at least forty-five (45) days prior to the start of the semester to ensure adequate time for an admissions decision to be made.

Rescission of Admission Offers

The Roosevelt University Office of Admission reserves the right to rescind an offer of admission to a prospective student under the following circumstances:

• Negative academic performance in coursework which is in-progress at the time of application for admission that reduce an applicant’s grade point average (GPA) below the institution’s minimum academic requirements for admission.
• Significant discrepancies between official academic and test records and the self-reported information provided in the application for admission.
• The cancellation of the test score used in the decision to offer admission.
• Withholding pertinent information requested on the application or giving false information, including failure to report all high school and/or collegiate credit.

Ethical practices

The Office of Admission at Roosevelt University follows the National Association of College Admission Counseling Statement of Principles of Good Practice and agrees that our employees will:

“Not offer or accept any reward or remuneration from a college, university, agency, or organization for placement or recruitment of students. Members will be compensated in the form of a fixed salary, rather than commissions or bonuses based on the number of students recruited.”

“Accurately represent and promote their schools, institutions or services by providing precise information about their academic majors and degree programs. Such information shall include a factual and accurate description of majors, minors, concentrations and/or interdisciplinary offerings that apply toward the completion of the undergraduate degree.”

Any questions about these policies and procedures should be addressed to Office of Admission (applyru@roosevelt.edu), Roosevelt University.
FINANCIAL AID

Roosevelt University is committed to providing financial assistance to eligible undergraduate students to help pay the costs associated with attending college. Although funding higher education is primarily the responsibility of the student and his/her family, more than 85 percent of Roosevelt students receive financial aid to assist them in covering their costs.

All applicants must apply for financial aid using the Free Application for Federal Student Aid or FAFSA®. Students wishing to be considered for federal, state, and institutional financial aid programs must complete the RU financial aid application process (https://www.roosevelt.edu/tuition-aid/financial-aid-process/) and meet the minimum requirements for financial aid eligibility. To be eligible for most financial aid programs (including loans) students must be enrolled at least half-time, 6 credit hours per semester.

FAFSA® is a registered trademark of the U.S. Department of Education. Grant programs

More detail about the options for financial aid, including some typical amounts awarded, can be found on the Financial Aid web pages (https://www.roosevelt.edu/tuition-aid/).

Federal Pell Grant
This is a federal assistance program for regular degree-seeking undergraduate students pursuing their first bachelor’s degree.

Federal Supplemental Educational Opportunity Grant Program
The Supplemental Educational Opportunity Grant (FSEOG) is a federal program designed for any regular degree-seeking undergraduate who demonstrates exceptional need. FSEOG funds are awarded only to Pell Grant recipients and are very limited.

Illinois Financial Aid Programs
The State of Illinois has many programs and services that deliver financial aid to students in Illinois. The number of scholarships and grants made through programs administered by the Illinois Student Assistance Commission (https://www.isac.org/), as well as individual amounts awarded, are subject to sufficient annual appropriations by the Illinois General Assembly and the governor.

Illinois Monetary Award Program
This is a need-based grant program offered to undergraduate Illinois residents pursuing their first bachelor’s degree.

Scholarships


Federal Work-Study Program
This is a federally supported program for students who have documented financial need. The Work-Study Program’s objective is to provide employment opportunities for eligible students to help meet educational costs.

Federal Teacher Education Assistance for College and Higher Education (TEACH) Grant
The TEACH Grant Program provides grants of up to $4,000 a year to students who are completing or plan to complete course work needed to begin a career in teaching. Details are available on the Financial Aid web pages (https://www.roosevelt.edu/tuition-aid/).

Roosevelt University academic and need-based awards
Newly admitted full-time students are automatically evaluated for academic awards through the Office of Admission.

Veteran Educational Benefits
Roosevelt University participates in the Veterans Educational Benefit programs. This includes, but is not limited to the Post 9/11 GI Bill®, Yellow Ribbon, Chapter 1606, Chapter 35, and the Vocational Rehabilitation Program.

Student loans are an option for many students and families.

Many loans will allow students to defer payment, both interest, and principle, while enrolled at least half-time. Unlike grants and scholarships, student loans must be repaid. More detail on loan programs is available on the Financial Aid web site (https://www.roosevelt.edu/tuition-aid/financial-aid/types-of-financial-aid/).

Federal Return of Title IV Refund Policy
The Federal Refund Policy is applicable to any students that receive federal financial aid funds who withdraw or stop attending completely on or before 60 percent of time has elapsed during the period of enrollment for which the student has been charged. A calculation would be performed to determine the amount of unearned aid that must be returned to Title IV programs.

For official withdrawals, this is the date the course withdrawal form is received by the Office of the Registrar. For unofficial withdrawals, the mid-point of the term is used in the calculation. Roosevelt University must return unearned funds for which it is responsible as soon as possible but no later than 45 days after the date of determination of a withdrawal.

To determine the amount of Title IV aid for which the student is eligible, Roosevelt will use the student’s withdrawal date, the amount of aid the student was originally offered, the number of days that comprise the
Components to the Satisfactory Academic Progress Policy

1. You must complete 67% of all of the Roosevelt University hours you register for/attempt towards your degree, earning grades of ‘A’, ‘B’, ‘C’, ‘D’, and ‘P’ (completion ratio). Grades of ‘F’, ‘IP’, ‘I’, and ‘W’ do not count. Repeated courses count towards hours attempted and count in passed hours when a passing grade is received. You may receive aid for only ONE repeat of a previously passed class. Remedial and ELP courses are counted in hours attempted and counted in hours passed when a passing grade is received.

2. You must maintain an overall cumulative Roosevelt grade point average of 2.0 or higher. Remedial and ELP courses are included in the grade point average calculation. When repeating a class, the highest grade is used in calculating your grade point average.

3. All periods of enrollment are included in these calculations whether or not you received financial aid during those periods. Transfer credits are included in the maximum time-frame calculation.

Monitoring Progress:
Your progress will be assessed at the end of each term.

Financial Aid Warning:
You will be placed on financial aid warning in your next term of enrollment if you do not meet component #1 and/or component #2 above. You will be notified of this status via your Roosevelt email address. You can only receive aid for one semester under this warning status. Financial aid warning lasts until the next time your progress is assessed (at the end of the next term). You will continue to be eligible for financial aid while on financial aid warning.

Financial Aid Termination:
Eligibility for future financial aid will be ended if your cumulative record does not reflect a minimum 67% completion ratio and a minimum cumulative 2.0 Roosevelt grade point average the first time your record is assessed after your financial aid warning term. Eligibility for future aid will also be ended if you fail to meet the terms of your Satisfactory Academic Progress Academic Plan and/or earn zero hours during any given term of enrollment (a term of all grades of “W”, “F”, “I”, or “IP” or any combination of these grades).

In any term that you receive all failing grades (grade of ‘F’) you will be asked to verify your attendance. If all of your instructors indicate that you never attended the classes in which you received failing grades your financial aid will be cancelled and returned to the appropriate source of that aid (if you received a financial aid refund for that term you will owe the university the full balance of that refund and will not be able to attend in subsequent terms until that balance is paid in full). In any term which you received all failing grades and all of your instructors indicate that you stopped attending classes prior to 61% of the term’s completion, a Title IV Returns calculation will be performed to determine the amount of financial aid that needs to be returned to the federal, state, or other sources from which they were received. This too could result in you owing a balance to the university.

The calculation will be performed using the number of days completed, divided by the number of days comprising the payment period to determine the percentage earned. The percentage earned, subtracted from 100 percent, will be the percentage of unearned aid that must be returned to the Title IV program.

The amount of unearned aid will be returned to the Title IV programs in the following order:
1. Direct Unsubsidized Loan
2. Direct Subsidized Loan
3. Direct PLUS or Grad Plus Loan
4. Federal Pell Grant
5. Federal SEOG
6. Other Title IV Funds

As a result of returning unearned aid, students may owe a balance due to Roosevelt University. Withdrawing from classes not only results in adjustment of current aid, but may also affect a student’s eligibility for future aid.

Post Withdrawal Disbursements:
If a student does not receive all of the funds that were earned, a Post-withdrawal disbursement may be due. If the Post-withdrawal disbursement includes loan funds, we must get your permission before disbursing. You may choose to decline some or all of the loan funds so that you don’t incur additional debt.

We will automatically use all or a portion of your Post-withdrawal disbursement of grant funds for tuition, fees, and room and board charges. We need your permission to use the Post-withdrawal grant disbursement for all other school charges like the CTA UPass. If you do not give your permission, you will be offered the funds. However, you may still owe a balance.

Satisfactory Academic Progress Policy

One of the conditions to maintain eligibility for financial aid (federal, state, and institutional scholarships, grants, loans, and work) is to meet the requirements of Satisfactory Academic Progress as defined by the federal government. This assessment of your academic record measures your progress towards earning a degree. It is calculated differently from your academic standing (see your Academic Advisor for how your academic standing is calculated).
trying to bring your record back into compliance with the Satisfactory Academic Progress standards.

**Maximum Time Frame:**

Financial aid eligibility ends when you have attempted 180 total semester credit hours as an undergraduate student (155 for the Bachelor of Professional or General Studies) and 54 as a graduate student whether or not you have been on financial aid warning. The maximum time-frame to receive financial aid is 150% of the total hours required to earn the degree in which you are enrolled. Hours that are transferred in and accepted towards your degree count towards this calculation.

If you earn 0 hours in any given term in which you are enrolled, financial aid eligibility ends immediately whether or not you have been on financial aid warning.

**Changing Majors/Second Majors:**

Students who have lost their financial aid eligibility due to any of the SAP components noted above and have changed majors may be considered for financial aid by completing the SAP Appeal Form. Students who have lost financial aid eligibility, due to exceeding the maximum time-frame limit noted above, and have changed majors or returned to seek another degree may also be considered for financial aid eligibility by completing a SAP Appeal Form (http://catalog.roosevelt.edu/undergraduate/financial-aid/2019-2020-Satisfactory-Academic-Progress-Appeal.pdf).

**Financial Aid Reinstatement:**

Financial aid eligibility will be reinstated once an assessment of your academic record confirms it to be in compliance with the Satisfactory Academic Progress Policy (cumulative GPA of 2.0 or higher AND a completion ratio of at least 67% of hours attempted). You may also request a review of your eligibility prior to the next assessment date by contacting the Office of Financial Aid Services. Your request will be reviewed within five (5) business days.

**Right to Appeal:**

If your eligibility for financial aid has been terminated you may appeal to the Office of Financial Aid Services for consideration for a Financial Aid Probation period based upon extenuating circumstances. These circumstances include, but are not limited to, illness or injury that you may have suffered, death of a relative, or other circumstances that result in undue hardship that can be documented by a third-party professional such as a healthcare provider, counselor, cleric, lawyer, etc. It must be shown that there is a reasonable and established plan to prevent failing to meet the Components of the Satisfactory Academic Progress Policy again. A 'complete appeal' is one that is written well and submitted with all relevant documentation. Incomplete appeals (appeals without supporting documentation) will not be reviewed nor responded to. There is a Satisfactory Academic Progress Appeal Form (http://catalog.roosevelt.edu/undergraduate/financial-aid/2019-2020-Satisfactory-Academic-Progress-Appeal.pdf) available to help facilitate the appeal process.

Complete appeals will be evaluated based upon the following criterion:

- Clear and reasonable evidence to support the existence of a plan in place to avoid failing to meet one or more of the Components of the Satisfactory Academic Progress Policy in the future.
- If the appeal is to receive financial aid for hours beyond the Maximum Time Frame, an academic advisor must perform a degree check and include the results and the exact listing of all remaining courses needed to complete the degree with the appeal documentation.
- A quantitative assessment of the ability to bring both Components of the Satisfactory Academic Progress Policy back into compliance by the end of an approved Satisfactory Academic Progress Plan.

**Satisfactory Academic Progress Plan:**

If your complete appeal is approved and you are allowed to receive financial aid during a Financial Aid Probation period, it will be contingent upon you complying with a Satisfactory Academic Progress Plan. The plan will specify the exact number of hours that must be completed as well, as the exact grade point average that will be necessary, over the Financial Aid Probation period to bring your record back into compliance with the Components of the Satisfactory Academic Progress Policy. Failure to meet the standards established in the Satisfactory Academic Progress Plan will result in the loss of future financial aid eligibility. Your request will be reviewed within five (5) business days.

**Financial Aid Grievance:**

If you feel that your appeal was not handled properly, you may file a grievance with the Director of Financial Aid Services. You should include all relevant documentation and a written statement of the facts of the case as you see them. Response to your grievance will be reviewed within five (5) business days. The decision of the Director of Financial Aid Services is final.

**Financial Aid Code of Ethics**

Roosevelt University Financial Aid professionals follow ethical guidelines established by both the university and the National Association of Financial Aid Administrators. These policies are available on the Financial Aid web pages (https://www.roosevelt.edu/tuition-aid/).
UNIVERSITY GENERAL EDUCATION

General Education at Roosevelt University seeks to develop in our students the knowledge, skill, perspective, and will to forge connections, solve problems, and enact positive change. All undergraduate students must complete Roosevelt CORE requirements, including the University Writing Requirement and General Education Mathematics Requirements.


The Roosevelt CORE is a set of required classes and experiences for all undergraduate students entering fall 2018 or later. All undergraduate degree programs require a series of general education courses, specific courses or subject areas taken outside the major. The Roosevelt CORE requirements include general education requirements outside the major, as well as some courses in the major, as designated by each degree program.

Together, the CORE requirements help students develop the Five CORE Competencies:

(1) Civic and Social Engagement
Civic and Social Engagement begins with knowledge of social justice issues and extends to participation in civic life at and beyond the university. It involves a range of intellectual skills including ethical reasoning, cultural awareness, and environmental literacy. It is enriched by knowledge of diverse communities and fosters the advancement of social justice. Students will

- gain knowledge of diverse places and cultures
- explore how relations among people, communities, and the physical environment connect to matters of social justice
- reflect on the complex relationship between one's personal values and the promotion of social justice in different contexts
- demonstrate a balanced commitment to individual and civic responsibility

(2) Inquiry, Analysis, and Decision-Making
In the process of Inquiry, Analysis, and Decision-Making, students formulate questions, conduct research, perform analysis, and make decisions based on their findings. This approach to problem-solving commits students and instructors alike to a high standard of evidence-based reasoning and to seeking out, evaluating, and synthesizing multiple perspectives on complex issues. Students will

- craft and pursue compelling research questions
- find and evaluate qualitative and quantitative information in a variety of media
- demonstrate a commitment to evidence-based reasoning

(3) Literacy and Communication
Literacy and Communication refers to writing, reading, speaking, presenting, and listening, skills that are critical to professional success, personal fulfillment and citizenship in the 21st century. Students will

- critically engage with cultural and creative expressions
- analyze data and communicate trends, results, and conclusions
- summarize, analyze, and synthesize texts, including print, digital, visual and non-verbal communications
- communicate clearly and persuasively to diverse audiences
- command conventions of written and spoken language in diverse situations

(4) Personal and Social Awareness
Personal and Social Awareness is the capacity for critical self-awareness, interpersonal understanding, and lifelong learning. It is achieved through self-reflection, including reflection on one's own thinking and learning (metacognition), and through self-awareness, including awareness of one's own position in social, local, cultural, and political contexts. Students will

- describe and analyze the origins of their beliefs
- articulate and assess their processes of learning
- recognize and reflect upon their social and cultural positions in relation to others

(5) Integrated Learning
Integrated Learning enables students to transfer knowledge across contexts and disciplines and to make connections between their courses and the world, preparing students to develop intellectual flexibility, adapt to change, and creatively solve problems. Students will

- explain how different disciplines solve problems
- apply their learning across academic contexts
- extend their knowledge and skills into the world outside the classroom

Roosevelt CORE Requirements

Specific courses required to fulfill CORE requirements can vary by college and sometimes by degree program. CORE requirements, including general education and any related major requirements, are detailed on the Requirements tab for each major’s listing in this catalog.

Roosevelt’s general education requirements align with the Illinois Articulation Initiative recommendations for transfer students. To fulfill their CORE requirements most students are required to take courses in the following areas: English Composition, Mathematics, Science, Humanities and Fine and Performing Arts, and Social Science.

In addition, the CORE includes the following signature Roosevelt requirements, some of which may also fulfill major requirements or electives, depending on your program’s specific requirements. Students should consult with their advisors on the specific requirements of their majors for these signature CORE requirements.

All students must fulfill the University Writing Requirement. Most students also complete General Education Mathematics Requirements as determined by their major. Roosevelt University assesses all undergraduate students for placement into English and Mathematics courses. Placement is determined either by ACT or SAT scores, if those scores have been received within the past two years, or by the Roosevelt University Assessment (https://www.roosevelt.edu/rua.aspx#schedule), Transfer students should consult the Roosevelt University Assessment page for more detail.

FIRST YEAR SUCCESS - OR - TRANSFER SUCCESS

FYS 101 FIRST YEAR SUCCESS COURSE and TRS 101 TRANSFER SUCCESS 101 are designed to facilitate students’ integration into the
Roosevelt University community. These courses connect students with Roosevelt’s mission and resources and help them explore their academic and career goals.

Undergraduate students entering with fewer than 12 hours are required to take the First-Year Success course in their first semester at RU. Transfer students entering with fewer than 90 hours are required to take the Transfer Success course in their first semester at RU. Students in the Chicago College of Performing Arts take other courses to meet these requirements.

**IDEAS ACROSS DISCIPLINES**

Ideas Across Disciplines is a 3-semester-hour CORE requirement for all undergraduate students who enter with fewer than 30 hours of transfer credit. Ideas Across Disciplines courses foster intellectual curiosity and community by encouraging faculty and students to explore an enduring idea, theme, or question that illuminates the diversity of human experience.

Students should consult with their academic advisor to select an appropriate Ideas course for which they meet the prerequisites. Courses meeting this requirement carry the ‘Ideas Across Disciplines’ attribute in the Coursefinder class schedule for each semester.

**EXPERIENTIAL LEARNING**

Students who enter Roosevelt as freshmen, or transfer students with less than 60 hours, are required to take two Experiential Learning courses at the 200- or 300-level (for a total of 6 credit hours). Transfer students who enter with 60 or more hours are required to take one Experiential Learning course at the 200- or 300-level (3 credits). Students should consult their specific program requirements and their academic advisor to select Experiential Learning courses for which they meet the prerequisite. Courses meeting this requirement carry the ‘Experiential Learning’ attribute in the Coursefinder class schedule for each semester.

The CORE Experiential Learning requirements represent a strong implementation of the RU mission. Experiential Learning courses connect to issues and constituencies within and beyond the classroom by offering opportunities for direct application of course material to concrete topics and communities. These courses engage students in “learning by doing and reflecting,” bringing clarity to the many uses of academic study, expanding students’ capacities to cultivate skills and values important to their personal and professional development, and creating conditions for students to make meaningful contributions to communities.

**Shared Coursework**

Credits cannot be shared between major requirements and the CORE communication, mathematics, natural science, humanities and fine and performing arts, and social science requirements. Your degree program, however, may designate or suggest specific courses for you to take to fulfill these CORE requirements.

Credits can be shared between CORE (General Education) requirements and a minor. Credits cannot be shared between a major and minor.

An Ideas across Disciplines course can also count toward the major or minor requirement. An Ideas across Disciplines course cannot also count toward the CORE Humanities or Social Science requirements.

Experiential Learning courses can also count toward major requirements, minor requirements, and/or any other CORE requirement (with the exception of First-Year Success, Transfer Success, and Ideas courses). Some programs may designate specific major/minor course requirements to fulfill one or both of the Experiential Learning requirements.

**General Education Mathematics Requirements**

Students will be placed into Mathematics courses based on the requirements of their majors and by their ACT or SAT scores, if those tests have been taken within two years of the semester entered. Students are strongly encouraged to take the Roosevelt University Assessment (https://www.roosevelt.edu/current-students/academics/placement-tests/) test to ensure proper placement into an appropriate-level Mathematics course. Students who do sufficiently well on this exam may have some of their prerequisite coursework waived. Students without an ACT or SAT score taken within the past two years are required to take the RU A. Students who believe that their RU A score or ACT or SAT score does not adequately reflect their placement should consult with their advisor about the Math PReP program.

**COURSES**

Students may count no more than 12 credit hours in Mathematics courses at the 100 level toward graduation.

- **MATH 010 MATHEMATICAL FOUNDATIONS** and **MATH 021 ALGEBRAIC FOUNDATIONS** are developmental Mathematics courses designed to prepare students for college-level coursework. They do not count toward the 120 credit hours required for most undergraduate degrees, although they are considered 3-credit courses for purposes of billing and for determining student full-time/part-time status. Assessment scores determine if these courses are required.

- **MATH 010 MATHEMATICAL FOUNDATIONS** is the corequisite for MATH 105 FOUNDATIONS OF ARITHMETIC, MATH 110 QUANTITATIVE LITERACY, and MATH 116 FINITE MATHEMATICS. Students take MATH 010 MATHEMATICAL FOUNDATIONS and MATH 105 FOUNDATIONS OF ARITHMETIC, MATH 110 QUANTITATIVE LITERACY, or MATH 116 FINITE MATHEMATICS in the same semester. Students may test out of MATH 010 MATHEMATICAL FOUNDATIONS.

- **MATH 021 ALGEBRAIC FOUNDATIONS** is the corequisite for MATH 121 COLLEGE ALGEBRA. Students take MATH 021 ALGEBRAIC FOUNDATIONS and MATH 121 COLLEGE ALGEBRA in the same semester. Students may test out of MATH 021 ALGEBRAIC FOUNDATIONS.

- Undecided students who are placed into developmental Mathematics should consult with their academic advisor to determine which developmental Mathematics course they need to complete.

- **MATH 105 FOUNDATIONS OF ARITHMETIC** is the prerequisite for MATH 115 QUANTITATIVE & SPATIAL REASONING. These courses are specifically designed for Elementary Education and Early Childhood majors.

- **MATH 110 QUANTITATIVE LITERACY** is designed to give students an understanding of some of the applications of mathematics in disciplines that do not require specific math courses (majors in the sciences, in business, and in education require specific math courses). It is recommended for all students in majors that do not have a specific math requirement. Students should consult the requirements page for their specific major(s), as well as their academic advisor, to ensure they are enrolling in the correct math course for their program of study.
• MATH 116 FINITE MATH is for designed for some majors in the Robert Morris Experiential College.
• MATH 121 COLLEGE ALGEBRA is for Business students, Elementary Education students, and students going on to MATH 122 TRIGONOMETRY AND PRECALCULUS and MATH 231 CALCULUS I
• MATH 170 MATH FOR NURSING is for Nursing majors and potentially other health studies programs.
• Students should consult the requirements page for their specific major(s), as well as their academic advisor, to ensure they are enrolling in the correct math courses for their program of study.

University Writing Requirement

Fulfillment of the University Writing Requirement varies for each individual student and is dependent upon prior course work and test scores, either on the Roosevelt University Assessment or on SAT or ACT scores.

ENG 101 COMPOSITION I: CRITICAL READING & WRITING and ENG 102 COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH, completed at Roosevelt with a grade of C- or higher, will normally satisfy this requirement.
HONORS PROGRAM

The Roosevelt Honors Program (https://www.roosevelt.edu/current-students/academics/honors-program/) provides immersive and rigorous academic opportunities for students seeking an enriched undergraduate experience, featuring close faculty mentorship, multi-disciplinary approaches to inquiry and creativity, personalized curriculum, and experiential learning. Students who complete the Honors Program gain tangible distinction and preparation for graduate school, professional success, and life as socially conscious leaders.

In Honors, you will:

- Inquire, analyze, and synthesize using multiple disciplinary perspectives
- Design, conduct, and present original research and/or creative projects
- Apply coursework to an issue of civic importance
- Collaborate effectively with multiple constituencies

Members who complete the Honors Program will receive an Honors Program designation upon graduation.

Curriculum

Every semester, the Honors Program offers courses in a variety of subject areas. These seminar courses, which range from 100-level CORE courses to boutique disciplinary courses at the 200- and 300-levels, provide Honors students seminar-style and learning-centered class experiences. A hallmark of all of these courses is academic rigor, and they also offer opportunities like travel, interdisciplinary projects, community-based learning, and engaged scholarship. Students take these courses to fulfill general education, major, and general elective requirements.

Curricular Options

We provide focused curriculum in several areas:

Honors Tracks

Honors Tracks are fixed curricula managed by departmental faculty and advisors, requiring an application for admission. Contact department(s) for application materials.

- Finance CCF Program: This two-year 18-credit hour program provides undergraduate Finance students the resources, tools and guidance needed to successfully reach their career goals. It is a cohort-based, lock-step program. For more information please see the program page (https://www.roosevelt.edu/colleges/business/cccf/).
- Musical Arts: The Honors Bachelor of Musical Arts degree is a flexible interdisciplinary program in which students combine the study of music with another field. It is individualized according to students’ interests and culminates with a senior project that melds students’ work in music with the second discipline. For more information please see the program page (https://www.roosevelt.edu/academics/programs/bachelors-in-musical-arts-bma/).

Honors Pathways

Honors Pathways are not fixed curricula but must be constructed in consultation with departmental and Honors faculty and advisors.

- Biological, Physical, & Health Sciences: Honors science majors are permitted to take 50% of their pre-thesis required Honors credits in Honors seminars and 50% (contracts) in science core and supporting sequence courses.

- Psychology: Honors Psychology majors may benefit from pursuing a recommended intensive Psychology Honors course sequence that includes: four Psychology Honors seminars and either Psychology 393 or Psychology 399 the penultimate semester before completing Honors 399 (mentored by Psychology faculty) in the final semester.

Application and Admission

Incoming and current students are welcome to apply; the application link is at the Honors Program website (https://www.roosevelt.edu/current-students/academics/honors-program/). Honors-ready students are curious and motivated, have strong academic records, and submit excellent Honors application materials. Applicants must have at least three more semesters to complete at RU.

Applications open February 01 and close July 01. All admitted students begin in the Fall term.

The Honors Program has Honors-specific transfer agreements. Applicants must have a 3.25 or higher GPA, an earned associate’s degree, Phi Theta Kappa membership and/or membership in their college's honors program, and a completed application to Honors submitted.

Students interested in the Honors Bachelor’s of Musical Arts in the College of Performing Arts should visit and apply here (https://www.roosevelt.edu/academics/programs/bachelors-in-musical-arts-bma/). Students interested in the Honors Finance Track in the College of Business should visit and apply here (https://www.roosevelt.edu/colleges/business/cccf/).

Any Honors student who is also in the McNair Scholars Program will earn 3 of their required Honors credits upon completion of their McNair requirements.

Minimum Credit Requirements

The number of semester hours a student has applied toward their degree at the time of admission to the Honors Program determines the number of needed Honors credits. Exceptions granted to McNair Scholars and students with transfer agreements. All curriculum requirements can be fulfilled with Honors seminar credits; contracts are optional. Students with 75 or more hours are ineligible to join Honors, but can petition for an exception at the time of application.

<table>
<thead>
<tr>
<th>Credits applied when admitted to Honors</th>
<th>Required Honors credits</th>
<th>Curricular contract credits (optional)</th>
<th>Co-curricular contract credits (optional)</th>
<th>Required thesis credits</th>
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<td>3 (or)</td>
<td>3</td>
<td>3+1</td>
</tr>
</tbody>
</table>

Students in the BMA and Finance Tracks are exempt from the +1 (HON 398) thesis requirement, which reduces the number of required credits by 1.

Ways to Earn Honors Credits

Required Courses & Seminars
All Honors students must complete an Honors seminar their first semester following acceptance into the program, and should have only their Honors Thesis to complete in their final two semesters:

**Honors Research Pro-seminar (HON 398, 1 credit):** Research seminar required for students 1 or 2 semesters prior to enrolling in HON 399: Honors Senior Thesis. Focus on developing and improving research skills. Specific content topics will vary from term to term, and attend to ongoing learning, expectations, and research goals of Honors students.

**Honors Thesis (HON 399, 3 credits):** The Honors Thesis, a 3-credit course that students register for with faculty mentors their final semesters, is dedicated to the craft and execution of research. In consultation with their mentors, students articulate research questions, develop and execute research and writing plans, and create a substantial scholarly or creative text. The Honors Thesis is a distinct, stand-alone project containing new (not repurposed) writing. In addition to completing the written project, students participate in an oral defense for the RU community.

Some programs offer or require a capstone course that fulfills the thesis requirement. Students in these majors who use this option must still take HON 398 and adhere to HON 399 syllabus guidelines and thesis expectations, including the oral defense.

**Curricular and Co-Curricular Contracts**
Contracts permit students the opportunity to earn Honors credit outside the standard Honors seminar structure. All contracts and their resulting work must demonstrate advanced rigor and inquiry, consistent with Honors Program outcomes. All contracts must be reviewed and approved by the Honors Program by our stated deadlines. After one invalid or incomplete contract, students cannot earn any more contract credits. Students are eligible to complete contracts after they have successfully completed at least 1 Honors seminar.

**Curricular (2-3 credits):** Must be completed in courses in a student’s major and minor at the 200-level and higher. These contracts, designed by the student and approved by their professor(s), should demonstrate significant student effort and challenge to produce high-quality work and a deepened understanding of course materials consistent with Honors Program outcomes. Courses of record will be converted to Honors courses for degree and program credit. Contract invalid if the work is not complete or course grade is below a B-.

**Co-curricular contracts (1-3 credits):** Allow students to earn Honors credit independent of coursework, where they engage in projects and activities that support and enhance co-curricular learning consistent with Honors Program outcomes. All co-curricular contracts should be submitted prior to beginning the activity, and must result in a culminating project submitted for review and approval by the Honors Program. Attached only to activities for which students are not receiving credit or compensation. Co-curricular credits only count for Honors, and do not earn college credit.

**Community Engagement Program**
Students can earn 1 credit a semester for up to 3 semesters by being engaged in the communities of Honors, the university, and the metropolitan area. They attend and reflect in writing on events that complement and nourish their academic and Honors studies. Students must adhere to strict deadlines, and after one invalid or incomplete attempt, students cannot use this option to earn credit again. This credit only counts for Honors, and does not earn college credit.

**Adequate Progress**
Students must take their first Honors seminar the semester following admission to the Honors Program, or they will be deactivated from the program. In order to maintain Honors membership, students must remain active in the program, defined by continuous curricular enrollment in Honors and seeking Honors advising every semester.

As part of their adequate progress, all incoming first and second semester freshmen Honors students will take: Honors 101; English 102 (Honors); and an Honors Ideas course (9 credits total).

Any Honors courses in which a student earns below B- will not count toward Honors progress. Honors seminar or contract courses in which students earn below B- may count toward graduation requirements, but cannot count toward Honors requirements, including participation.

All deactivated students, including students who have left the university, who seek to re-join the Honors Program must re-apply.

**Grades and Performance**
Students must also, for adequate progress:

- Earn B- or higher in all Honors coursework (any grades lower than a B- may count toward other degree requirements, but cannot count as Honors credit)
- Maintain 2.7 or higher institutional overall GPA
- Be able to achieve a 3.0 institutional overall GPA upon graduation

We expect Honors students to succeed at high levels in their coursework. While the minimum grade permitted for Honors credit is a B-, for a student to earn the Honors designation upon graduation, they must earn a 3.0 GPA or higher, demonstrating that they have succeeded beyond the minimum threshold.

**Honors Probation Policy**
Honors student probation occurs when a student’s overall GPA falls below 2.7 (B):

- Once on probation, student has up to two terms to achieve an overall GPA of 2.7 or higher, or earn a term GPA of 2.75 or higher.
- A student on probation must demonstrate, with evidence, efforts to improve by using university student support services (advising, tutoring, etc.).
- Honors probation, distinct from RU Academic Standing, does not appear on a student’s transcript.
- Honors students who are on university probation are permitted one semester of Honors probation before deactivation from the Honors Program. Honors students on academic suspension will be immediately deactivated from the Honors Program and must re-apply if they seek to re-join.

**Advising**
Honors students are required to receive Honors Program advising every semester; assigned academic, faculty, or program advisors will provide advising as it relates to all degree requirements (except for Honors).

**Graduating from the Honors Program**
In order to receive the Honors Program designation, a student must:

- Be admitted to the Honors program and complete their designated number of Honors credits.
- Receive B- grades or higher in Honors coursework.
- Earn an institutional overall GPA of 3.0 or higher.
- Complete and present an Honors thesis (HON 399).
The Honors Program reserves the right to implement probation and/or dismiss students from Honors who have been found in violation of university policies (https://www.roosevelt.edu/policies/).

Exceptions to Honors Program policies are made at the discretion of Honors Program staff.

See the Honors Program handbook for more detail on Honors Program expectations.
Chicago College of Performing Arts

The Chicago College of Performing Arts provides students with professional artistic training through its three divisions: the Music Conservatory, the Theatre Conservatory, and the Center for Arts Leadership.

In the burgeoning world of downtown Chicago in 1867, the Chicago Musical College, the fourth conservatory to be founded in America, was created by Florenz Ziegfeld, Sr. In 1954 the Chicago Musical College merged with the then nine-year-old Roosevelt College. The theatre and music programs were joined in 1997. In 2000, we chose the name Chicago College of Performing Arts to reflect the shared strength of our creative disciplines and to capture the greatness of the world-class city that is our home.

Today, Chicago College of Performing Arts aspires to be a preeminent institution, training and inspiring emerging leaders in the fields of music, theatre, education, composition, and arts administration. Our mission is to graduate students seeking careers in these creative disciplines who are confident, passionate, knowledgeable, and capable of functioning in the professional arena, and who are dedicated to the practice of art in service of the cause of human dignity and to effect positive change in their communities.

Scholarships

The College provides financial aid in the form of scholarships in varying amounts, and federal/state grants and loans. Scholarships are most commonly offered at the time of admission, and are based on a combination of the following: faculty assessment at entrance auditions, the academic performance of the student, the Conservatory's enrollment priorities, and analysis of financial need.

Scholarships are renewable until graduation, provided that the student fulfills the requirements for renewal each year. These requirements appear on the scholarship acceptance agreement. CCPA reserves the right to reduce or revoke scholarship if these requirements are not fulfilled.

Students may request an increase in scholarship during the spring semester for the following academic year. Procedures and forms are available from the Assistant Dean for Enrollment and Student Services.

Student Handbooks

The College publishes a student handbook each year, which contains important information about organization, operations, procedures, programs, and policies. Each Conservatory also publishes a supplement with information relating to its specific programs and activities. These handbooks are intended as a comprehensive and convenient guide to student life and as a practical guide for planning. They may be found online through the CCPA website (https://www.roosevelt.edu/colleges/ccpa/).

Students should familiarize themselves with the information in the handbooks, as they are expected to understand and adhere to the policies published therein.

Student Conduct

In addition to serving as a resource for information about University life and services, the Roosevelt University Student Handbook describes the expectations for behavior and conduct in the Roosevelt community and outlines the procedures to be followed when these expectations are not met.

The curricula at CCPA are designed to develop and reinforce the habits and protocols that are standard in the professions for which students are being prepared. Continuation in good standing in the degree programs, therefore, relies on the student’s adherence to these standards.

Students are expected to behave appropriately and professionally in all classes, rehearsals, performances, or university functions (including off-campus functions) where students are representing the university through their presence and performance. Failure to do so will be grounds for disciplinary action, including but not limited to warnings, probation, loss of a scholarship, or dismissal from the program.

The Music Conservatory

The Music Conservatory was founded in 1867 as the Chicago Musical College, a conservatory whose primary focus was the intensive and rigorous training of young men and women preparing for careers as professional musicians. In 1954, the Chicago Musical College became part of Roosevelt University, enhancing this tradition by adding the multifaceted educational opportunities afforded by a major university. In 1997, the Chicago Musical College joined with the university’s theatre program to become the College of the Performing Arts; and in 2000, it was renamed The Music Conservatory of Chicago College of Performing Arts. The Music Conservatory and all programs it offers are accredited by the National Association of Schools of Music, of which it is a founding member.

The Music Conservatory is organized into program areas coordinated by the director. Curricula with a major in piano, string, wind, or percussion instruments; voice; classical guitar; composition; music education; and jazz and contemporary music lead to the degree of Bachelor of Music. The conservatory also offers a five-year program culminating in the Bachelor of Music degree with a double major in performance and music education. An individualized program of studies in music combined with course work in a second discipline leads to the Bachelor of Musical Arts degree. The Bachelor of Arts degree is designed for students who wish to combine the disciplines of Music and Computing.

For information on the master’s and diploma programs, consult the university’s graduate catalog (https://www.roosevelt.edu/academics/programs?plcheader_1%24chkCCPA=on&/38;FilterByCollege=Choose+Program+By+College).

The Music Conservatory presents more than 150 free concerts and recitals each year, and all are open to the public. A calendar of events is available upon request. To receive monthly updates about Music Conservatory events, please sign up through the CCPA webpage (https://www.roosevelt.edu/ccpa/signup/).

Admission

Admission to Roosevelt University does not include admission to the Music Conservatory. To be admitted to the Music Conservatory, students must present a successful audition or other evidence of aptitude in the chosen major in addition to meeting the university’s
entrance requirements. For those students who wish to pursue a major in music education or the Bachelor of Musical Arts degree, an interview with program faculty and consideration of academic performance are also required. Prospective students should contact the CCPA Office of Enrollment and Student Services (ccpadmissions@roosevelt.edu) and consult the CCPA website (https://www.roosevelt.edu/admission/ccpa/) to obtain specific audition requirements for each major program.

For optimum success in a collegiate music program, the matriculating student should have studied an instrument or voice and music theory for several years and have participated in high school music organizations. Students entering the core musicianship sequence must have written and aural command of the rudiments of music, including scales, intervals, triads, rhythm, and meter. Some knowledge of the keyboard is helpful.

Prior to initial registration, all entering students (freshman and transfer) must take placement examinations to determine their already acquired skills in the areas of musicianship and keyboard proficiency. Students will then be placed in the core musicianship sequence at an appropriate level. An outline of materials covered on the placement tests is available from the university’s placement web page (https://www.roosevelt.edu/current-students/academics/placement-tests/). Students exempted from any required courses by placement examination may replace those hours with free electives.

Transfer credit in applied music, musicianship, and music education subjects requires validation by proficiency examination, audition, consultation with program faculty, or successful completion of a more advanced course.

**Degree requirements**

Degrees are conferred upon regular students in good standing who have met the following requirements:

- Residency and enrollment of at least two academic years (no less than 48 semester hours).
- Completion of at least 120 semester hours of credit, following the curriculum for the major field, with a grade point average of at least 2.0 (2.7 in music education) and with core and major course grades that satisfy program requirements.
- Completion of the University Writing Requirement.
- Performance majors:
  - Classical – junior and senior recitals, according to the requirements of the specific program.
  - Jazz and Contemporary Music – senior recital, in fulfillment of program requirements.
- Composition majors: senior recital of original works, in fulfillment of program requirements.
- Music education majors: senior recital, including both solo performance and conducting components, and satisfactory completion of student teaching internship.
- Bachelor of Musical Arts and Bachelor of Arts degrees: individually designed senior project.

**Academic policies**

Academic policies, practices, and requirements are published each year in the CCPA Student Handbook as well as the Music Conservatory Handbook. The following areas are of particular importance.

**Attendance**

Regular and punctual attendance at classes, rehearsals, and lessons is the academic equivalent of a recognized standard of professional conduct, without which it is not possible to maintain a career in music. The Music Conservatory’s attendance policies are designed to habituate a professional’s sense of responsibility in regard to all school-related commitments and obligations.

Many classes have an attendance requirement, which will appear in the syllabus. Students should be aware, however, that attendance is the expectation in the Music Conservatory, even if attendance does not constitute a portion of the grade. Students should notify their instructors if they are unable to attend classes (e.g., for reasons of illness), and should make up missed assignments promptly.

Perfect attendance in applied music subjects (private lessons) is expected. If a student must cancel a lesson for unavoidable reasons, the instructor should be notified 24 hours in advance when possible. Failure to notify the applied instructor by 9 a.m. on the day of the lesson removes any obligation on the part of the teacher to make up the lesson. Regularly scheduled lessons falling on school holidays will be made up; the student and instructor are responsible for making the necessary arrangements. Any student who misses three lessons without properly notifying the instructor will receive an immediate failing grade for the semester and will not be permitted to present the jury examination at the end of the semester. Students who do not appear for the required jury examination at the end of the semester will receive a failing grade in the course.

Because membership in a performing ensemble entails a responsibility to the director, the other students in the ensemble, and to the Conservatory itself, school functions take precedence over outside activities. Please see Ensembles, below, for additional information. Students are expected to attend all rehearsals and performances.

**Ensembles**

Enrollment in ensembles is contingent upon placement and assignment. All students in the Music Conservatory are required to participate in all ensembles to which they are assigned by the associate dean/director and the program heads. Students who are assigned or receive permission to enroll as zero-credit participants in any ensemble will receive a grade; they must complete the same requirements as students enrolled for credit. Assignments are made at the beginning of each semester following placement and seating auditions.

A yearly calendar of ensemble schedules, including all rehearsals and performances, is published and distributed to students and faculty prior to the start of the fall semester. This calendar (called "The Book") exists in two editions, one for instrumentalists and one for singers. It allows students to plan ahead and to fulfill their required attendance obligations. Excused absences from ensemble services may occasionally be granted (e.g. for competitions, auditions, professional performance opportunities, or illness) with appropriate advance notice and documentation. All requests for excused absences are administered by the Performance Activities Office of the Music Conservatory according to the policies published in the Books.
Students from other departments of Roosevelt University may audition for Music Conservatory performing ensembles.

**Grades**

The minimum passing grade in a student's applied music concentration in the first three semesters of study (211-213, 272-273, 201-203) is C-. Students who receive less than a C- in either component of applied study (lessons or jury) must repeat the entire course.

From the fourth through the final semester of required applied study (starting with 214, 274, or 204), the minimum passing grade is B-. Students who receive less than a B- in any component of applied study (lessons, jury, or recital) must repeat the entire course.

Please refer to the program of study pages for other specific minimum grade requirements.

**Performance classes and performance attendance**

Departmental performance classes, master classes, and recitals offer students the opportunity to gain experience and poise in public appearances. In addition, performance classes address the topics of musicians’ physical and emotional/psychological health and wellness, effective and efficient practicing, and injury prevention. Attendance at departmental performance classes is required of all students in the Music Conservatory every semester and is a requirement for graduation.

The faculty of the Music Conservatory strongly advocate for student attendance at a wide variety of performances. Music does not exist without the listener, and musicians themselves can help to build the audiences of the future by being contributing members of the listening public. The Music Conservatory’s expectations for performance attendance are dispersed across all programs; each one mandates appropriate attendance at in-house and professional performances through various course syllabi.

**The lower and upper divisions**

The program of undergraduate study in The Music Conservatory is divided into lower and upper divisions.

**Lower division**

The first two years of study (freshman and sophomore) offer the student a well-rounded foundation in music as well as an orientation to the major field. All degree programs include a common core of two-year sequences in musicianship (written, aural, and keyboard skills) and music history.

At the conclusion of the fourth semester (or the equivalent for transfer students), each student will be reviewed to confirm that the freshman and sophomore requirements have been completed in a satisfactory manner. Satisfactory progress is defined as grades of B- or higher in applied music 214, 274, or 204 (and associated jury exams), courses in the major, and ensembles; completion of all music core courses and general studies courses attempted; and a cumulative grade point average of at least 2.0 (2.7 for music education majors). Students should consult the Music Conservatory Student Handbook (https://www.roosevelt.edu/~/-/media/Files/pdfs/college-ccpa/MUSIC-C-HANDBOOK.aspx?la=en/) for additional information on the fourth-semester review.

**Upper division**

The last two years of study (junior and senior) are concentrated in the student’s field of specialization. If approved for entrance into the upper division via the fourth-semester review, students will present their first formal public solo performances, and will complete advanced coursework and the capstone project according to program requirements. Students will not be approved to present the fourth-semester review, present their junior recitals, or undertake upper-division major coursework unless they have completed or will be concurrently enrolled in MUSC 222A/B/C or JAZZ 215/244 by the sixth semester of enrollment (or the equivalent for transfer students).

**Classical Guitar, BM**

It is the goal of the Classical Guitar Program to provide the training and background necessary to function in the multi-faceted career of a professional classical guitarist. In addition to developing comprehensive musicianship skills, analytic abilities and stylistic knowledge, the undergraduate program’s objectives are to:

- Acquaint the student with the literature for guitar through study, analysis, and performance of a cross-section of the standard repertory, encompassing all stylistic periods.
- Develop technical facility in a systematic fashion.
- Develop progressively the student’s collaborative and practical skills.
- Introduce principles and methods for guitar teaching.
- Develop chamber music skills.

Music studies are supported with basic general education coursework, including the study of foreign language.

The technical regimen that all BM students are required to master, as well as the repertory requirements that extend from the initial semester through the senior year, appear in the Music Conservatory Handbook (Academic Supplement). These are designed to build facility, strength, and endurance while acquainting students with the major genres, composers, and styles.

**Admission requirements**

Please consult the CCPA Admission and Audition Information webpage for the Classical Guitar audition requirements (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx).

**Grade requirements**

C- is the minimum passing grade in GUIT 211 GUITAR (MAJOR), GUIT 212 GUITAR (MAJOR) and GUIT 213 GUITAR (MAJOR) and in the freshman and sophomore juries associated with these courses. At the completion of the second year of applied study, a student must receive a minimum grade of B- in GUIT 214 GUITAR (MAJOR) and in PERF 262 SOPHOMORE JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division applied study, GUIT 311 GUITAR (MAJOR) through GUIT 314 GUITAR (MAJOR), PERF 351 JUNIOR JURY, PERF 313 JUNIOR RECITAL, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL.
### Requirements

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<td>GUITAR (MAJOR) (and PERF 262 Sophomore Jury)</td>
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<td>CLASSICAL GUITAR ENSEMBLE (eight semesters)</td>
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<td>PERF 334</td>
<td>COMPREHENSIVE GUITAR TECHNIQUE (two semesters)</td>
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<td>PERF 336</td>
<td>HISTORY AND PERFORMANCE OF GUITAR LITERATURE</td>
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<td>PERF 338</td>
<td>CAREER SEMINAR FOR CLASSICAL GUITAR MAJORS</td>
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### Communication
- ENG 101, ENG 102, and one other
- Humanities/Fine and Performing Arts
- SPAN 101, SPAN 102, and one other
- Math or Science
- Social Science (History and Psychology recommended)

Total Credit Hours: 120

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

### Year 1

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<td>3 General Studies</td>
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**Jazz Instrumentalist, BM**

It is the goal of the Jazz and Contemporary Music program to produce graduates who are improvisers and creators of the highest caliber, and who are ready to compete professionally or continue their studies at an advanced level.

The program’s objectives are to:

- Help each student realize her or his unique voice as a performer and as an arranger/composer.
- Develop students’ historical and practical understanding of the musical language of jazz idioms and the evolution of jazz styles.
- Develop musicianship skills and performing ability so that students are able to conceive and execute musical ideas in a variety of performing situations.
- Foster habits and ideals of social justice consistent with Roosevelt University’s mission and the ‘democratic’ aspects of jazz itself.

The jazz combo sequence is designed so that each group is devoted to a particular style emphasis. Assignments rotate each semester so that over the course of the degree, students will acquire a foundation in the most crucial styles of jazz and learn important repertory and composers associated with each, through the experience of creating stylistically-faithful improvisations.

Technical and repertory requirements for each semester of applied study are published in the Music Conservatory Handbook (Academic Supplement). These intensify as the student progresses through the program, culminating in the senior recital, which displays the student’s creativity, musical and technical abilities, understanding of the historical context and significance of the music being presented, as well as preparation, rehearsal, and leadership skills.

**Admission requirements**

Please consult the CCPA Admission and Audition Information web page for the Jazz and Contemporary Music audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) requirements.

**Grade requirements**

Bass, guitar, drumset, saxophone, trumpet, or trombone may be used as the major applied subject. C- is the minimum passing grade in Applied Music 271, 272, and 273 and the juries associated with these courses. At the completion of the student’s second year, he/she must receive a minimum grade of B- in Applied Music 274 in the major area and in PERF 262 SOPHOMORE JURY to be admitted to the upper division. In the upper division, the candidate must not receive a grade lower than B-for each course in the major applied area (371 through 374), PERF 361 JUNIOR JURY, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL.

A grade lower than C- in any JAZZ course will be considered a failing grade.

### Required Courses

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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>HUMANITIES/FINE AND PERFORMING ARTS</td>
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<td>6</td>
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<tr>
<td>SOCIAL SCIENCE</td>
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<tr>
<td>One course in African or African-American studies, and one other</td>
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### Code   | Title                               | Credit Hours |
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<tr>
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<td>JAZZ COMBO</td>
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<td>Major Instrument 271-374 (including Freshman, Sophomore, Junior, and Senior Juries and PERF 314 Senior Recital</td>
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<td>JAZZ 230</td>
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### Supportive Courses in Music

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<td>JAZZ 350</td>
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1 Non-music course in fulfillment of General Studies requirements
MUSC 121A & MUSC 121B & MUSC 121C
MUSICIANSHIP I:WRITTEN SKILLS and MUSICIANSHIP I:aural SKILLS and MUSICIANSHIP I:PIANO SKILLS
MUSC 122A & MUSC 122B & MUSC 122C
MUSICIANSHIP II:WRITTEN SKILLS and MUSICIANSHIP II:aural SKILLS and MUSICIANSHIP II:PIANO SKILLS

Total credit hours 121

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Year 1

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<th>Fall</th>
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<td>JAZZ 243</td>
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<tr>
<td>JAZZ 310</td>
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<td>MUHL 251</td>
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### Jazz Piano, BM

It is the goal of the Jazz and Contemporary Music program to produce graduates who are improvisers and creators of the highest caliber, and who are ready to compete professionally or continue their studies at an advanced level.

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- Help each student realize her or his unique voice as a performer and as an arranger/composer.
- Develop students’ historical and practical understanding of the musical language of jazz idioms and the evolution of jazz styles.
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- Foster habits and ideals of social justice consistent with Roosevelt University’s mission and the ‘democratic’ aspects of jazz itself.

The jazz combo sequence is designed so that each group is devoted to a particular style emphasis. Assignments rotate each semester so that over the course of the degree, students will acquire a foundation in the most crucial styles of jazz and learn important repertory and composers associated with each, through the experience of creating stylistically-faithful improvisations.

Technical and repertory requirements for each semester of applied study are published in the Music Conservatory Handbook (Academic Supplement). These intensify as the student progresses through the program, culminating in the senior recital, which displays the student’s creativity, musical and technical abilities, understanding of the historical
context and significance of the music being presented, as well as preparation, rehearsal, and leadership skills.

**Admission requirements**

Please consult the CCPA Admission and Audition Information web page for the Jazz and Contemporary Music (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) audition requirements.

**Requirements**

C- is the minimum passing grade in PIA 271 JAZZ PIANO, PIA 272 JAZZ PIANO, and the related jury exams. At the completion of the student's second year, he/she must receive a minimum grade of B- in PIA 274 JAZZ PIANO and PERF 361 JUNIOR JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division applied study, PIA 371 JAZZ PIANO through PIA 374 JAZZ PIANO, PERF 361 JUNIOR JURY, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL.

A grade lower than C- in any JAZZ course will be considered a failing grade.

**Required Courses**

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ARTL 101</td>
<td>THE PROFESSIONAL MUSICIAN IN SOCIETY</td>
<td>3</td>
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<td>COMMUNICATION</td>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<td>HUMANITIES/FINE AND PERFORMING ARTS</td>
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<td>- One course in African or African-American studies, and one other</td>
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**Major Area**

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<tr>
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<th>Title</th>
<th>Credit Hours</th>
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<td>Large Jazz Ensemble</td>
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<td>ENS 236</td>
<td>JAZZ COMBO</td>
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<td>PIA 271- PIA 374 Jazz Piano Major including Freshman, Sophomore, Junior, and Senior Juries and PERF 314</td>
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<td>JAZZ 230</td>
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<td>JAZZ 305</td>
<td>COMPOSITION &amp; ARRANGING I</td>
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<td>JAZZ 306</td>
<td>COMPOSITION &amp; ARRANGING II</td>
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<td>JAZZ 331</td>
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<td>JAZZ 332</td>
<td>IMPROVISATION III</td>
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<tr>
<td>JAZZ 310</td>
<td>JAZZ FORUM</td>
<td>0 (eight semesters)</td>
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**Supportive Courses in Music**

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<tbody>
<tr>
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<td>JAZZ 211</td>
<td>ESSENTIALS OF JAZZ I</td>
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<td>JAZZ THEORY II</td>
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<td>JAZZ 245</td>
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<td>MUHL 210</td>
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<td>MUHL 251</td>
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<td>MUHL 253</td>
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<td>MUSICIANSHIP I:WRITTEN SKILLS and MUSICIANSHIP I:AURAL SKILLS</td>
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<td>MUSC 122A &amp; MUSC 122B</td>
<td>MUSICIANSHIP II:WRITTEN SKILLS and MUSICIANSHIP II:AURAL SKILLS</td>
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**Year 1**

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**Year 2**

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Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.
The jazz combo sequence is designed so that each group is devoted to a particular style emphasis. Assignments rotate each semester so that over the course of the degree, students will acquire a foundation in the most crucial styles of jazz and learn important repertory and composers associated with each, through the experience of creating stylistically-faithful improvisations.

Technical and repertory requirements for each semester of applied study are published in the Music Conservatory Handbook (Academic Supplement). These intensify as the student progresses through the program, culminating in the senior recital, which displays the student’s creativity, musical and technical abilities, understanding of the historical context and significance of the music being presented, as well as preparation, rehearsal, and leadership skills.

### Admission requirements

Please consult the CCPA Admission and Audition Information web page for the Jazz and Contemporary Music (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) audition requirements.

### Requirements

C- is the minimum passing grade in VOI 271 JAZZ VOICE, VOI 272 JAZZ VOICE, and VOI 273 JAZZ VOICE and the related jury exams. At the completion of the student’s second year, he/she must receive a minimum grade of B- in VOI 274 JAZZ VOICE and PERF 262 SOPHOMORE JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division applied study, VOI 371 JAZZ VOICE through VOI 374 JAZZ VOICE, PERF 361 JUNIOR JURY, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL.

A grade lower than C- in any JAZZ course will be considered a failing grade.

### Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ARTL 101</td>
<td>THE PROFESSIONAL MUSICIAN IN SOCIETY</td>
<td>3</td>
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<tr>
<td>COMMUNICATION</td>
<td></td>
<td>6</td>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td></td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td></td>
</tr>
<tr>
<td>HUMANITIES/FINE AND PERFORMING ARTS</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MATH OR SCIENCE</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SOCIAL SCIENCE</td>
<td></td>
<td>6</td>
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</table>

One course in African or African-American studies, and one other

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENS 236</td>
<td>JAZZ COMBO</td>
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<tr>
<td>ENS 237</td>
<td>VOCAL JAZZ ENSEMBLE</td>
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<td>VOI 271 - VOI 374</td>
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<td>JAZZ 230</td>
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<td>JAZZ 331</td>
<td>IMPROVISATION II</td>
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<tr>
<td>JAZZ 332</td>
<td>IMPROVISATION III</td>
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</tr>
</tbody>
</table>

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### Jazz Vocalist, BM

It is the goal of the Jazz and Contemporary Music program to produce graduates who are improvisers and creators of the highest caliber, and who are ready to compete professionally or continue their studies at an advanced level.

The program’s objectives are to:

- help each student realize her or his unique voice as a performer and as an arranger/composer;
- develop students’ historical and practical understanding of the musical language of jazz idioms and the evolution of jazz styles;
- develop musicianship skills and performing ability so that students are able to conceive and execute musical ideas in a variety of performing situations;
- foster habits and ideals of social justice consistent with Roosevelt University’s mission and the ‘democratic’ aspects of jazz itself.
Supportive Courses in Music

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>JAZZ 210</td>
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<tr>
<td>JAZZ 211</td>
<td>ESSENTIALS OF JAZZ I</td>
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<td>JAZZ 212</td>
<td>ESSENTIALS OF JAZZ I</td>
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<tr>
<td>JAZZ 215</td>
<td>JAZZ THEORY II</td>
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<tr>
<td>JAZZ 220</td>
<td>SKILLS FOR JAZZ VOCALISTS I</td>
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<td>JAZZ 221</td>
<td>SKILLS JAZZ VOCALISTS II</td>
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<tr>
<td>JAZZ 243</td>
<td>JAZZ PIANO TECHNIQUES I</td>
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<td>JAZZ 244</td>
<td>JAZZ PIANO TECH II</td>
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</tr>
<tr>
<td>JAZZ 245</td>
<td>UNDERSTANDING DRUMS AND BASS</td>
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</tr>
<tr>
<td>JAZZ 350</td>
<td>CAREERS IN MUSIC</td>
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<td>MUHL 210</td>
<td>THE VERNACULAR MUSIC OF THE UNITED STATES</td>
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<tr>
<td>MUHL 251</td>
<td>HISTORY OF WESTERN MUSIC I</td>
<td>3</td>
</tr>
<tr>
<td>MUHL 252</td>
<td>HISTORY OF WESTERN MUSIC II</td>
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<td>MUHL 253</td>
<td>HISTORY OF WESTERN MUSIC III</td>
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<td>MUSC 121B</td>
<td>MUSICIANSHIP I:AURAL SKILLS</td>
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<tr>
<td>MUSC 121C</td>
<td>MUSICIANSHIP I:Piano SKILLS</td>
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<td>MUSC 122A</td>
<td>MUSICIANSHIP II:WRITTEN SKILLS</td>
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<td>MUSC 122C</td>
<td>MUSICIANSHIP II:Piano SKILLS</td>
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</table>

Total credit hours 125

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

Year 1

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<tr>
<td>ARTL 101</td>
<td>3 ENG 102</td>
<td>3</td>
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</tr>
<tr>
<td>ENG 101</td>
<td>3 ENS 237</td>
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</tr>
<tr>
<td>ENS 237</td>
<td>1 JAZZ 211</td>
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<td>JAZZ 225</td>
<td>0 JAZZ 221</td>
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<td>JAZZ 220</td>
<td>2 JAZZ 225</td>
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<td>0 JAZZ 310</td>
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<tr>
<td>MUSC 121C</td>
<td>2 MUSC 122C</td>
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</tbody>
</table>

Total Credit Hours 125

Music Composition, BM

The Music Composition program challenges dedicated individual composers to develop and hone their creative skills. The goals of the program for all students are to:
• Cultivate the ability to utilize all of the building blocks of music (pitch, rhythm, meter, tension and relaxation, formal structure) to create a diverse portfolio of works.
• Gain the necessary professional skills: rehearsal, communication, promotion, publication, and networking.
• Explore various musical languages and styles in pursuit of the formation of their own unique voices.

The primary focus at the undergraduate level is the development of technique and expressivity. The curriculum addresses essential knowledge and skills: work with both electronic and acoustic media, keyboard skills, fluency in speaking and writing, conducting and rehearsal techniques, analytical ability, and relevant technologies.

Four public composition recitals each year, as well as multiple opportunities for collaboration with other programs such as dance, piano, and opera, provide students with ample and regular opportunities to work with other musicians to prepare formal performances of their own compositions. The senior recital demonstrates growth and progress in the student’s portfolio over eight semesters of study in works of varying length, scope and genre. A complete listing of program requirements is published in the Music Conservatory Handbook (Academic Supplement).

Requirements

Students are required to have at least one work performed in a student composition recital each year.

C- is the minimum passing grade in MCMP 211 COMPOSITION (MAJOR), MCMP 212 COMPOSITION II (MAJOR), and MCMP 213 COMPOSITION III. At the completion of the second year of composition study, a student must receive a minimum grade of B- in MCMP 214 COMPOSITION IV and in MCMP 215 SOPHOMORE COMPOSITION JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division composition study MCMP 311 COMPOSITION V through MCMP 314 COMPOSITION VIII.

During the senior year, the student will present a recital of original compositions, including program notes. The recital must consist of at least 40 minutes of music representative of the student’s work in the program and approved by the primary composition instructor.

A grade lower than C- in any MTA course is considered a failing grade.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

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<td>ENG 101, ENG 102, and one other</td>
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<tr>
<td>HUMANITIES/FINE AND PERFORMING ARTS</td>
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<td>MCMP 213</td>
<td>COMPOSITION III</td>
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<tr>
<td>MCMP 214</td>
<td>COMPOSITION IV</td>
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<td>COMPOSITION V</td>
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<td>COMPOSITION VI</td>
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<td>COMPOSITION VII</td>
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<td>MTA 326</td>
<td>ELECTROACOUSTIC MUSIC II</td>
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<td>Supportive Courses in Music</td>
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<tr>
<td>MTA 301</td>
<td>INSTRUMENTATION/ORCHESTRATION</td>
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<td>MTA 302</td>
<td>ADVANCED ORCHESTRATION</td>
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<td>MTA 304</td>
<td>COUNTERPOINT</td>
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<td>MTA 305</td>
<td>FORM AND ANALYSIS</td>
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<td>MUHL 251</td>
<td>HISTORY OF WESTERN MUSIC I</td>
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<td>MUSC 121A</td>
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<td>&amp; MUSC 121B</td>
<td>and MUSICIANSHIP I:AURAL SKILLS</td>
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<td>&amp; MUSC 121C</td>
<td>and MUSICIANSHIP I:PIANO SKILLS</td>
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<td>PIANO (MINOR) (and PERF 201)</td>
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<td>PIA 203</td>
<td>PIANO (MINOR) (and PERF 201)</td>
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<td>Total Credit Hours</td>
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</table>

1 Other instrument or voice with permission
### Music and Computing, BA

The BA in Music and Computing degree will be offered beginning in the Fall 2020 semester.

The goal of this interdisciplinary degree program is to enable students to create original applications such as music software, music authoring systems, algorithmic composition, and video game music through study of both music composition and computer programming. The degree provides general courses from both music composition and computer science, including musicianship and music history, music composition techniques, advanced music theoretical studies, electro-acoustic music, mathematics, database systems, operating systems, software engineering, algorithmic design, and programming languages.

The degree entails 121 credit hours, comprising general studies, music and music composition, and computer science. During the senior year, students will complete a Capstone Project that demonstrates creative ability in combining music and computer programming.

C- is the minimum passing grade in MCMP 311, 312, 313, and 314. The grade of B- is the minimum passing grade in the Senior Capstone course.

<table>
<thead>
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<th>Title</th>
<th>Credit Hours</th>
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<tbody>
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<td>ARTL 101</td>
<td>THE PROFESSIONAL MUSICIAN IN SOCIETY</td>
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<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>MATH 121</td>
<td>COLLEGE ALGEBRA</td>
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<td>MATH 253</td>
<td>HISTORY OF WESTERN MUSIC III</td>
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<td>INTRO ELECTROACOUSTIC MUSIC</td>
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<td>MUSICIANSHIP I:PIANO SKILLS</td>
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<td>MUSICIANSHIP I:WRITTEN SKILLS</td>
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Total Credit Hours 126
### Computer Science

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<td>CST 150</td>
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<td>CST 250</td>
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<td>CST 280</td>
<td>INTRODUCTION TO ALGORITHMS</td>
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<td>CST 311</td>
<td>ANALYSIS OF REAL WORLD NETWORKS</td>
<td>3</td>
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<tr>
<td>CST 317</td>
<td>OPERATING SYSTEMS</td>
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<td>CST 333</td>
<td>DATABASE SYSTEMS</td>
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</tr>
<tr>
<td>CST 348</td>
<td>SOFTWARE ENGINEERING I</td>
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<tr>
<td>CST 372</td>
<td>PROGRAMMING LANGUAGES</td>
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### Elective:

Select one of the following:

- CST 337 | THEORY OF COMPUTATION           | 3            |
- CST 338 | EFFICIENT COMPUTING             | 3            |
- CST 387 | ALGORITHM DESIGN                | 3            |

### CST Project-Based Course

(3 credit hours in consultation with CST adviser)

### CST Capstone Course

(3 credit hours)

### Total Computer Science

41 credit hours

### Year 1

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<thead>
<tr>
<th>Semester</th>
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<th>Spring Credit Hours</th>
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### Year 2

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<td>MUSC 221B</td>
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### Total Credit Hours

124 credit hours

### Music Education, BM

The goal of the Music Education program is to guide students who are drawn to the vocation of teaching to develop into outstanding educators, role models, and advocates for the arts in our society. The structure of the degree is based upon the licensure requirements of the State of Illinois and on CCPA's high standards of performance. Graduates are entitled to Roosevelt University's recommendation for K-12 licensure in music. The program is also fully certified by the National Council for the Accreditation of Teacher Education, which entitles graduates to reciprocity privilege in certification to teach all types of music classes in elementary and secondary schools throughout the country.

The program's objectives are to:

- prepare graduates to embrace diversity and flexibility in their pedagogical approaches to musical styles, genres, and ensembles; various ages and skill levels of students; urban, suburban, and rural communities; incorporating students' cultural and community assets into instruction; and students with varied socioeconomic backgrounds;
- develop teacher identity and help students to layer on or merge this identity with their already established and reinforced musician/performer identity;
- develop strong communication skills that help students intertwine their personal skills and qualities with their musical content knowledge and pedagogical knowledge;
- develop strong organizational abilities;
• develop strong leadership skills;
• prepare students to pass the edTPA, obtain licensure, and obtain employment in the state of their choice in public or private schools.

Program requirements and procedures are published in the Music Conservatory Handbook (Academic Supplement). Performance and musicianship training are developed throughout the curriculum because deep content knowledge is the foundations of all excellent teaching. Other dimensions and competencies of effective teaching are developed and assessed regularly through music education coursework. In the senior recital, music education students demonstrate the integration of knowledge and skills gained from applied study, ensemble experiences, supportive studies in music, and music education methods courses. Recital requirements include a performance of solo repertoire as well as the preparation and conducting of an ensemble selection, as evidence of musical leadership skills.

Admission Requirements
Prospective music education majors will prepare the audition requirements for their primary instrument or voice, as published on the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information webpage.

In addition, an interview with the music education faculty is required.

Grade Requirements
Satisfactory completion of the music core is a requirement for licensure. The music core consists of the following required music courses: Applied Music 201-204 and 301-303 or 211-214 and 311-314 (and related jury and recital courses); 6 credit hours of ensemble; two courses from among MUHL 210 THE VERNACULAR MUSIC OF THE UNITED STATES, MUHL 251 HISTORY OF WESTERN MUSIC I, MUHL 252 HISTORY OF WESTERN MUSIC II, and MUHL 253 HISTORY OF WESTERN MUSIC III; MUSC 222A MUSICIANSHIP IV:WRITTEN SKILLS/MUSC 222B MUSICIANSHIP IV:AURAL SKILLS/MUSC 222C MUSICIANSHIP IV:Piano SKILLS; and PERF 240 ELEMENTS OF CONDUCTING. Any grade lower than C in any music core, music education, education, or professional education course is considered a failing grade and will not fulfill degree requirements.

The minimum passing grade in Applied Music 201, 202, and 203 (and related jury courses) is C-. The minimum passing grade in Applied Music 204 and PERF 201 ACADEMIC MAJOR FRESHMAN/SOPHOMORE JURY is B-. The grade of B- is the minimum passing grade in upper division applied study (courses 301 through 303 and related jury and recital courses).

Students must maintain a cumulative grade point average of 2.7 to remain in good standing and graduate.

All course requirements must be completed before the semester of student teaching.

Requirements
Students choose an emphasis in either choral music education (128 credit hours) or instrumental music education (132 credit hours). The general studies, music education/professional education, and basic musicianship/performance components of the program are the same for both emphases. Specific requirements for each emphasis are listed below.
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<thead>
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<th>Code</th>
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<th>Credit Hours</th>
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<td>CHORAL METHODS FOR SENIOR HIGH SCHOOL</td>
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<td>BRASS TECHNIQUES</td>
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<td>WOODWIND TECHNIQUES</td>
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<td>ME 154</td>
<td>STRING TECHNIQUES</td>
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<td>ME 155</td>
<td>PERCUSSION TECHNIQUES</td>
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<td>CHORAL METHODS FOR INSTRUMENTAL MAJORS</td>
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<td>ME 314</td>
<td>INSTRUMENTAL METHODS FOR SENIOR HIGH SCHOOL</td>
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<td>ME 337</td>
<td>MARCHING/JAZZ BAND MANAGEMENT</td>
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Total Credit Hours 10

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

<table>
<thead>
<tr>
<th>Year 1</th>
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<th>Spring</th>
<th>Credit Hours</th>
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</tr>
<tr>
<td>MUSC 121C</td>
<td>2 MUSC 122A</td>
<td>2</td>
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<tr>
<td>ENS 201</td>
<td>1 MUSC 122B</td>
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<td>3 ME 149</td>
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<td>MATH 105 or HIGHER</td>
<td>3 ENG 102</td>
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</table>

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<table>
<thead>
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<th>Year 2</th>
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<td>VOI 230Y</td>
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<thead>
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<th>Year 3</th>
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<th>Spring</th>
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<tbody>
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Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

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<th>Year 4</th>
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Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

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<td>MUHL 251</td>
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<td>ME 243</td>
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<tr>
<td>PERF 240</td>
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<td>ARTL 200</td>
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<th>Credit Hours</th>
<th>Spring</th>
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<td>ME 314</td>
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<td>READ 363</td>
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<td>ME 200</td>
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<th>Credit Hours</th>
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Total Credit Hours 130-134

Year 1
- Fall Courses
  - PIA 201 & PERF 201
  - PIA 300
  - ME 152
  - Math
- Spring Courses
  - PIA 202 or PERF 201

Year 2
- Fall Courses
  - PIA 203 & PERF 201
  - PIA 300
  - ME 200
  - MUSC 221A or 221B
  - ME 152
  - Math
- Spring Courses
  - PIA 204 & PERF 201
  - MUHL 210
  - PER 240
  - ARTL 200

Year 3
- Fall Courses
  - PIA 301 or PERF 201
  - PIA 300
  - ME 200
  - ME 313
  - MUHL 252
  - MPE 361
  - READ 363
- Spring Courses
  - PIA 302 & PERF 201
  - ME 200
  - ME 311
  - ME 352
  - MPE 361
  - PERF 215
  - READ 363

Year 4
- Fall Courses
  - PIA 303 & PERF 391
  - PIA 300
  - ME 200
  - ME 161
  - ME 337
  - ME 351
- Spring Courses
  - PIA 302 & PERF 201
  - PIA 300
  - ME 200
  - ME 311
  - ME 352
  - MPE 361
  - PERF 215
  - READ 363
Music Education and Jazz Performance, BM

The Bachelor of Music with a double major in Music Education (Instrumental emphasis) and Jazz/Contemporary Music is a five-year program which combines teacher preparation coursework with the full range of performance-related studies for jazz instrumentalists. All requirements and policies for the Music Education program apply to the double major programs; please refer to the Music Education (p. 31) program of study page.

Admission requirements
Prospective double majors will prepare the audition requirements for jazz and, contemporary music (instrumental), as published on the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) in addition, an interview with the music education faculty is required.

Grade requirements
Satisfactory completion of the music core is a requirement for licensure. The music core consists of the following required music courses: Applied Music 201-204 and 301-303, 211-214 and 311-314, or 271-274 and 371-374 (and the related jury exams and recitals); 6 semester hours of ensemble; two courses from among MUHL 210 VERNACULAR MUSIC OF THE UNITED STATES, MUHL 251 HISTORY OF WESTERN MUSIC I, MUHL 252 HISTORY OF WESTERN MUSIC II, and MUHL 253 HISTORY OF WESTERN MUSIC III; MUSC 222A MUSICIANSHIP IV:WRITTEN SKILLS/MUSC 222B MUSICIANSHIP IV:URAL SKILLS/MUSC 222C MUSICIANSHIP IV:PIANO SKILLS; and PERF 240 ELEMENTS OF CONDUCTING. Any grade lower than C in any music core (or B- in some applied music courses; see below), music education, education, or professional education course is considered a failing grade and will not fulfill degree requirements.

The minimum passing grade in Applied Music 271, 272, and 273 (and the related jury exams) is C-. At the completion of the second year of applied study, a student must receive a minimum grade of B- in Applied Music 274 and PERF 262 SOPHOMORE JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division applied study (Applied Music 371-374, including PERF 361 JUNIOR JURY and PERF 362 SENIOR JURY) and PERF 314 SENIOR RECITAL. Students must maintain a cumulative grade point average of 2.7 to remain in good standing and graduate.

All course requirements must be completed before the semester of student teaching.

Requirements

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<td>ARTS EDUCATION AND COMMUNITY ENGAGEMENT</td>
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<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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**Year 1**

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**Year 5**

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</table>
The Bachelor of Music with a double major in Music Education (either Choral or Instrumental emphasis) and Piano Performance is a five-year program which combines teacher preparation coursework with the full range of performance-related studies for pianists. All requirements and policies for the Music Education program apply to the double major programs; please refer to the Music Education program of study page. Admission requirements Prospective double majors will prepare the audition requirements for piano, as published on the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) In addition, an interview with the music education faculty is required. Grade requirements Satisfactory completion of the music core is a requirement for licensure. The music core consists of the following required music courses: Applied Music 201-204 and 301-303 or 211-214 and 311-314 (including related jury exams and recitals); 6 semester hours of ensemble; two courses from among MUHL 210 VERNACULAR MUSIC OF THE UNITED STATES, MUHL 251 HISTORY OF WESTERN MUSIC I, MUHL 252 HISTORY OF WESTERN MUSIC II, and MUHL 253 HISTORY OF WESTERN MUSIC III; MUSC 222A MUSCIANSHIP IV:WRITTEN SKILLS/MUSC 222B MUSCIANSHIP IV:AURAL SKILLS/MUSC 222C MUSCIANSHIP IV:PIANO SKILLS; and PERF 240 ELEMENTS OF CONDUCTING. Any grade lower than C in any music core (or B- in some applied music courses; see below), music education, education, or professional education course is considered a failing grade and will not fulfill degree requirements. The minimum passing grade in PIA 211, 212, and 213, PERF 261 FRESHMAN JURY, and PERF 262 SOPHOMORE JURY is C-. At the completion of the second year of applied study, a student must receive a minimum grade of B- in PIA 214 and PERF 262 SOPHOMORE JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division applied study (PIA 311 through 314, PERF 361 JUNIOR JURY, PERF 313 JUNIOR RECITAL, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL). Students must maintain a cumulative grade point average of 2.7 to remain in good standing and graduate. All course requirements must be completed before the semester of student teaching.
Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
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<th>Credit Hours</th>
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<tbody>
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<td>MUSC 121A</td>
<td>2 MUSC 122B</td>
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<td>MUSC 121B</td>
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<td>PERF 261</td>
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<td>Large Ensemble</td>
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<td>ME 152</td>
<td>1 PIA 300</td>
<td>0</td>
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<td>ME 153</td>
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Total Credit Hours: **15**

### Year 2

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<td>MUSC 221B</td>
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<td>MUHL 210</td>
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<td>Social Science</td>
<td>3 MUHL 251</td>
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Subtotal: **17**

### Year 3

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<td>PERF 215</td>
<td>2 MUHL 253</td>
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<td>ME 200</td>
<td>0 ME 243</td>
<td>3</td>
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<td>ME 252</td>
<td>3 ME 200</td>
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<td>Humanities</td>
<td>3 EDUC 202</td>
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<td>PERF 240</td>
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Total Credit Hours: **15**

### Year 4

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<td>PERF 362</td>
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<tr>
<td>ME 154</td>
<td>1 ME 312</td>
<td>3</td>
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<td>PERF 131 or</td>
<td>2 ME 200</td>
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<td>JAZZ 243</td>
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<td>ME 351</td>
<td>3 ME 350</td>
<td>3</td>
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<tr>
<td>ME 200</td>
<td>0 PERF 132 or</td>
<td>2</td>
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<td>ME 306</td>
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<tr>
<td>READ 363</td>
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Total Credit Hours: **17**

### Year 5

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<td>ME 351</td>
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Subtotal: **16**

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**MUHL 351 SPECIAL TOPICS IN MUSIC LITERATURE (may be repeated for credit)**

**PERF 240 ELEMENTS OF CONDUCTING**

Subtotal Performance and Musicianship: **78**

**Music Education/Professional Education**

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<tr>
<td>ME 200</td>
<td>0</td>
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<td>ME 243</td>
<td>3</td>
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<tr>
<td>ME 310</td>
<td>8-12</td>
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<tr>
<td>ME 311, ME 312, and PERF 215 (for Choral Concentration):</td>
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<tr>
<td>ME 313, ME 314, ME 161, and ME 337 (for Instrumental Concentration):</td>
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<td>ME 350</td>
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<td>ME 352</td>
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<td>EDUC 202</td>
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<td>SPED 219</td>
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Subtotal Music Education/Professional Education: **33-35**

**Total Credit Hours:** **153-155**
### Music Education/Choral Concentration and Voice Performance, BM

The Bachelor of Music with a double major in Music Education (Choral emphasis) and Voice Performance is a five-year program which combines teacher preparation coursework with the full range of performance-related studies for singers. All requirements and policies for the Music Education program apply to the double major programs; please refer to the Music Education (http://catalog.roosevelt.edu/undergraduate/performing-arts/music-education-choral-concentration-voice-performance-bm/ program of study page.

### Admission requirements

Prospective double majors will prepare the audition requirements for voice, as published on the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx)

---

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<thead>
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<th>Spring</th>
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<tr>
<td>MUSC 121A &amp; MUSC 121B</td>
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<td>1 ME 153</td>
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<tr>
<td>ARTL 101</td>
<td>3 ENG 102</td>
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**Year 2**

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<tr>
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<td>MUHL 210</td>
<td>3 MUSC 222A &amp; MUSC 222B</td>
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<td>Humanities</td>
<td>3 MUHL 251</td>
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<td>Social Science Elective</td>
<td>3 ARTL 200</td>
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**Year 3**

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<td>ME 200</td>
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<td>PIA 206</td>
<td>2 EDUC 202</td>
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**Year 4**

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<td>ME 313</td>
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<td>PERF 131 &amp; JAZZ 243</td>
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**Year 5**

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**Total Credit Hours** 155-159
In addition, an interview with the music education faculty is required.

**Grade requirements**

Satisfactory completion of the music core is a requirement for licensure. The music core consists of the following required music courses:

- Applied Music 201-204 and 301-303 or 211-214 and 311-314 (including the related jury exams and recitals); 6 semester hours of ensemble;
- two courses from among MUHL 210 MUSIC OF AMERICA, MUHL 251 HISTORY OF WESTERN MUSIC I, MUHL 252 HISTORY OF WESTERN MUSIC II, and MUHL 253 HISTORY OF WESTERN MUSIC III; MUSC 222A MUSICIANSHIP IV:WRITTEN SKILLS/MUSC 222B MUSICIANSHIP IV: AURAL SKILLS/MUSC 222C MUSICIANSHIP IV: PIANO SKILLS; and PERF 240 ELEMENTS OF CONDUCTING. Any grade lower than C in any music core, music education, education, or professional education course is considered a failing grade and will not fulfill degree requirements.

The minimum passing grade in VOI 211, 212, and 213, PERF 261 FRESHMAN JURY, and PERF 262 SOPHOMORE JURY is C-. At the completion of the second year of applied study, a student must receive a minimum grade of B- in VOI 214 and PERF 262 SOPHOMORE JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division applied study (VOI 311 through 314, PERF 361 JUNIOR JURY, PERF 362 SENIOR JURY, and PERF 362 SENIOR RECITAL).

Students must maintain a cumulative grade point average of 2.7 to remain in good standing and graduate.

All course requirements must be completed before the semester of student teaching.

**Requirements**

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<td>ARTS EDUCATION AND COMMUNITY ENGAGEMENT</td>
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<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<td>FOUNDATIONS OF ARITHMETIC (or higher MATH course)</td>
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<td>6 s.h. Italian, French, or German; and one other non-music humanities course</td>
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<td><strong>Performance and Musicianship</strong></td>
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<td>CHORAL METHODS FOR ELEMENTARY/JUNIOR HIGH SCHOOL</td>
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<td>ME 312</td>
<td>CHORAL METHODS FOR SENIOR HIGH SCHOOL</td>
<td>3</td>
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<tr>
<td>ME 350</td>
<td>METHODS FOR THE ELEMENTARY MUSIC CLASSROOM</td>
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<tr>
<td>ME 352</td>
<td>SECONDARY GENERAL MUSIC METHODS</td>
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<tr>
<td>ME 351</td>
<td>ISSUES IN MUSIC EDUCATION</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Select two of the following:</strong></td>
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<tr>
<td>ME 152</td>
<td>BRASS TECHNIQUES</td>
<td>2</td>
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<tr>
<td>ME 153</td>
<td>WOODWIND TECHNIQUES</td>
<td></td>
</tr>
<tr>
<td>ME 154</td>
<td>STRING TECHNIQUES</td>
<td></td>
</tr>
<tr>
<td>ME 155</td>
<td>PERCUSSION TECHNIQUES</td>
<td></td>
</tr>
<tr>
<td>EDUC 202</td>
<td>CHILD &amp; ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION</td>
<td>3</td>
</tr>
</tbody>
</table>
Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
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<td>General Studies</td>
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<td>ENS 201</td>
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<td>MUSC 121A</td>
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<td>ME 149</td>
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<td>MUSC 121B</td>
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<td>ME 152, 153, 154, or 155</td>
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<tr>
<td>MUSC 121C</td>
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<td>MUSC 122A</td>
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<td>MUSC 122B</td>
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<td>VOI 211</td>
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<td>MUSC 221A</td>
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<td>MUSC 221B</td>
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<td>MUSC 221C</td>
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<td>MUSC 222C</td>
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<td>MUHL 210</td>
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<td>MUHL 251</td>
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<td>ME 152, 153, 154, or 155</td>
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<td>ME 200</td>
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<td>VOI 200</td>
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<td>PERF 211</td>
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### Year 3

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<td>PERF 361</td>
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<td>PERF 313</td>
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<td>ENS 201</td>
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<td>1</td>
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<td>ME 200</td>
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<tr>
<td>VOI 325</td>
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<td>VOI 199</td>
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<tr>
<td>VOI 199</td>
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<td>EDUC 202</td>
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<td>MATH 105 (or higher)</td>
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<td>Foreign Language</td>
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<td>PERF 362</td>
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<td>PERF 314</td>
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<td>ME 311</td>
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<td>3</td>
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<td>VOI 325</td>
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<td>ME 350</td>
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<td>ME 351</td>
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<td>ME 200</td>
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<tr>
<td>VOI 199</td>
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<tr>
<td>PERF 311</td>
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<td>PERF 312</td>
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<tr>
<td>VOI 330</td>
<td>1</td>
<td>VOI 330</td>
<td>1</td>
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<tr>
<td>READ 363</td>
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<td>SPED 219</td>
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### Year 5

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<td>ME 352</td>
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<td>8-12</td>
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<td>PIA 206</td>
<td>2</td>
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<tr>
<td>ME 200</td>
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<td>8-12</td>
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</table>

### Total Credit Hours 155-159

### Music Education/Instrumental Concentration and Orchestral Instrument Performance, BM

The Bachelor of Music with a double major in Music Education (Instrumental emphasis) and Orchestral Instrument Performance is a five-year program which combines teacher preparation coursework with the full range of performance-related studies for string, woodwind, brass, or percussion players. All requirements and policies for the Music Education program apply to the double major programs; please refer to the Music Education (p. 31) program of study page.
Admission requirements

Prospective double majors will prepare the audition requirements for their major instrument, as published on the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) page.

In addition, an interview with the music education faculty is required.

Grade requirements

Satisfactory completion of the music core is a requirement for licensure. The music core consists of the following required music courses: Applied Music 201-204 and 301-303 or 211-214 and 311-314 (including the related jury exams and recitals, as required); 6 credit hours of ensemble; two courses from among MUHL 210 MUSIC OF AMERICA, MUHL 251 HISTORY OF WESTERN MUSIC I, MUHL 252 HISTORY OF WESTERN MUSIC II, and MUHL 253 HISTORY OF WESTERN MUSIC III; MUSC 222A MUSICIANSHIP IV:WRITTEN SKILLS/MUSC 222B MUSICIANSHIP IV: AURAL SKILLS/MUSC 222C MUSICIANSHIP IV: PIANO SKILLS; and PERF 240 ELEMENTS OF CONDUCTING. Any grade lower than C (or B- in some applied courses; see below) in any music core, music education, education, or professional education course is considered a failing grade and will not fulfill degree requirements.

The minimum passing grade in Applied Music 211, 212, and 213 is C- (including the related jury exams). At the completion of the second year of applied study, a student must receive a minimum grade of B- in Applied Music 214 and PERF 262 SOPHOMORE JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division applied study (courses 311 through 314, PERF 361 JUNIOR JURY, PERF 313 JUNIOR RECITAL, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL).

Students must maintain a cumulative grade point average of 2.7 to remain in good standing and graduate.

All course requirements must be completed before the semester of student teaching.

Requirements

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<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td></td>
<td><strong>General Studies</strong></td>
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<tr>
<td>ARTL 101</td>
<td>THE PROFESSIONAL MUSICIAN IN SOCIETY</td>
<td>3</td>
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<tr>
<td>ARTL 200</td>
<td>ARTS EDUCATION AND COMMUNITY ENGAGEMENT</td>
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</tr>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
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<tr>
<td>MATH 105</td>
<td>FOUNDATIONS OF ARITHMETIC</td>
<td>3</td>
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<tr>
<td>READ 363</td>
<td>TEACHING LANGUAGE AND LITERACY IN THE CONTENT AREAS</td>
<td>3</td>
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<td></td>
<td><strong>Humanities/Fine and Performing Arts</strong></td>
<td>9</td>
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<tr>
<td></td>
<td><strong>Physical/Life Science</strong></td>
<td>3</td>
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<td><strong>Social Science</strong></td>
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<td><strong>Performance and Musicianship</strong></td>
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<tr>
<td>Major</td>
<td>Instrument 211-214, 311-314 (including Freshman, Sophomore, Junior, and Senior Juries, Junior Recital, and Senior Recital)</td>
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<thead>
<tr>
<th>Performance Class for Applied Area</th>
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<tr>
<td>ENS 202</td>
<td>SYMPHONY ORCHESTRA 8</td>
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<tr>
<td>or ENS 211</td>
<td>LARGE INSTRUMENTAL ENSEMBLE 8</td>
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<tr>
<td>MUSC 121A &amp; MUSC 121B &amp; MUSC 121C</td>
<td>MUSICIANSHIP I: WRITTEN SKILLS &amp; MUSICIANSHIP I: AURAL SKILLS &amp; MUSICIANSHIP I: PIANO SKILLS 5</td>
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<td>MUSC 122A &amp; MUSC 122B &amp; MUSC 122C</td>
<td>MUSICIANSHIP II: WRITTEN SKILLS &amp; MUSICIANSHIP II: AURAL SKILLS &amp; MUSICIANSHIP II: PIANO SKILLS 5</td>
</tr>
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<td>MUSC 221A &amp; MUSC 221B &amp; MUSC 221C</td>
<td>MUSICIANSHIP III: WRITTEN SKILLS &amp; MUSICIANSHIP III: AURAL SKILLS &amp; MUSICIANSHIP III: PIANO SKILLS 5</td>
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<tr>
<td>MUSC 222A &amp; MUSC 222B &amp; MUSC 222C</td>
<td>MUSICIANSHIP IV: WRITTEN SKILLS &amp; MUSICIANSHIP IV: AURAL SKILLS &amp; MUSICIANSHIP IV: PIANO SKILLS 5</td>
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<tr>
<td>MUHL 210</td>
<td>THE VERNACULAR MUSIC OF THE UNITED STATES 3</td>
</tr>
<tr>
<td>MUHL 251</td>
<td>HISTORY OF WESTERN MUSIC I 3</td>
</tr>
<tr>
<td>MUHL 252</td>
<td>HISTORY OF WESTERN MUSIC II 3</td>
</tr>
<tr>
<td>MUHL 253</td>
<td>HISTORY OF WESTERN MUSIC III 3</td>
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<td>Select one of the following:</td>
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<tr>
<td>MTA 301</td>
<td>INSTRUMENTATION/orchestration</td>
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<tr>
<td>MTA 305</td>
<td>FORM AND ANALYSIS</td>
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<tr>
<td>MUHL 351</td>
<td>SPECIAL TOPICS IN MUSIC LITERATURE</td>
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<tr>
<td>PERF 215</td>
<td>ADVANCED STUDY OF RHYTHM/intonation</td>
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<td>PERF 240</td>
<td>ELEMENTS OF CONDUCTING</td>
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Music Education/Professional Education

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<tr>
<td>ME 149</td>
<td>CAREER SEMINAR PUBLIC SCHOOL TEACHING</td>
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<tr>
<td>ME 152</td>
<td>BRASS TECHNIQUES</td>
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<td>ME 153</td>
<td>WOODWIND TECHNIQUES</td>
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</tr>
<tr>
<td>ME 154</td>
<td>STRING TECHNIQUES</td>
<td>1</td>
</tr>
<tr>
<td>ME 155</td>
<td>PERCUSSION TECHNIQUES</td>
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<td>ME 161</td>
<td>CHORAL METHODS FOR INSTRUMENTAL MAJORS</td>
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<td>ME 200</td>
<td>MUSIC EDUCATION LAB (seven semesters required)</td>
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<td>ME 243</td>
<td>CONDUCTING-ART &amp; TECHNIQUE</td>
<td>3</td>
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<tr>
<td>ME 310</td>
<td>STUDENT TEACHING INTERNSHIP</td>
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<tr>
<td>ME 313</td>
<td>INSTRUMENTAL METHODS FOR ELEMENTARY/JUNIOR HIGH SCHOOL</td>
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<tr>
<td>ME 314</td>
<td>INSTRUMENTAL METHODS FOR SENIOR HIGH SCHOOL</td>
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<tr>
<td>ME 337</td>
<td>MARCHING/JAZZ BAND MANAGEMENT</td>
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<td>METHODS FOR THE ELEMENTARY MUSIC CLASSROOM</td>
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<td>ME 352</td>
<td>SECONDARY GENERAL MUSIC METHODS</td>
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<tr>
<td>ME 351</td>
<td>ISSUES IN MUSIC EDUCATION</td>
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</table>
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### Year 1

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<thead>
<tr>
<th>Term</th>
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### Year 2

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### Year 5

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### Musical Arts, BMA

The Bachelor of Musical Arts degree is an interdisciplinary honors program with significant curricular flexibility. The program is designed to prepare students for advanced study and careers in a number of areas.
Students have gone on to graduate programs in musicology, music theory, music therapy, and arts administration, among other fields, and have pursued music entrepreneurial ventures as well as diverse areas such as music librarianship or public arts advocacy.

The degree is designed for the student with a strong academic background who believes that music and cultural engagement are integral elements in a just, healthy and productive society, and who wishes to combine the study of music with a second field outside of music. The outside field may be an established minor program offered by the university, selected courses in a single discipline, or a self-designed course of study that combines several disciplines as desired (e.g. History and Political Science). Students’ programs are individualized according to their interests and studies.

At the conclusion of the program, students are expected to have the capability to formulate and complete a capstone project that combines their knowledge and ability in music with the material, methodology, and perspectives of the second discipline. The nature of the project is not defined, as it will vary according to the student’s interests and studies.

**Admission**

Students will present the audition requirements for their major performance area (instrument or voice). Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page for the requirements. An essay and an interview with program faculty are also required.

**Grade and other requirements**

Admission to the BMA includes admission to the Honors Program. Please consult the Honors Program (p. ) section of this catalog for grade and other requirements.

At least 6 of the student’s earned credits in core requirements, second emphasis, or music electives must be in courses with an Honors attribute.

The second emphasis may include courses in any non-music discipline, chosen in consultation with the faculty advisor in accordance with the student’s interests. It may be a formal minor offered by the university or an interdisciplinary array of courses.

The minimum passing grade in Applied Music 201, 202, and 203 is C- (including the related jury exams). The minimum passing grade in Applied Music 204 and PERF 201 ACADEMIC MAJOR FRESHMAN/SOPHOMORE JURY is B-.

The minimum passing grade in MAS 310 BMA Capstone is B-. The Capstone shall take the form of an Honors Thesis for students eligible for Honors Program status entering their final year of coursework.

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ARTL 101</td>
<td>THE PROFESSIONAL MUSICIAN IN SOCIETY</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or higher)</td>
<td>3</td>
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<tr>
<td>Two Life or Physical Science courses (including one lab course)</td>
<td>7</td>
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<tr>
<td>COMMUNICATION</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ARTL 101</td>
<td>THE PROFESSIONAL MUSICIAN IN SOCIETY</td>
<td>3</td>
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<tr>
<td>MATH 110</td>
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<tr>
<td>Two Life or Physical Science courses (including one lab course)</td>
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<tr>
<td>COMMUNICATION</td>
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<thead>
<tr>
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<th>Credit Hours</th>
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<tr>
<td>ENG 101, ENG 102, and one other 200-level Honors Communication course</td>
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<tr>
<td>HUMANITIES/FINE AND PERFORMING ARTS (non-music)</td>
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<td>SOCIAL SCIENCE</td>
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<table>
<thead>
<tr>
<th>Music Requirements</th>
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<tbody>
<tr>
<td>Applied Music 201-204 (including PERF 201 each semester)</td>
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<td>Ensemble (2 semesters)</td>
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<tr>
<td>MUHL 210</td>
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<td>MUHL 251</td>
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<td>MUHL 253</td>
<td>HISTORY OF WESTERN MUSIC III</td>
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<td>MUSC 121A</td>
<td>MUSICIANSHIP I:WRITTEN SKILLS</td>
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<tr>
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<td>and MUSICIANSHIP I: AURAL SKILLS</td>
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<tr>
<td>&amp; MUSC 121C</td>
<td>and MUSICIANSHIP I: PIANO SKILLS</td>
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<tr>
<td>MUSC 122A</td>
<td>MUSICIANSHIP II:WRITTEN SKILLS</td>
</tr>
<tr>
<td>&amp; MUSC 122B</td>
<td>and MUSICIANSHIP II: AURAL SKILLS</td>
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<tr>
<td>&amp; MUSC 122C</td>
<td>and MUSICIANSHIP II: PIANO SKILLS</td>
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<td>MUSC 221A</td>
<td>MUSICIANSHIP III:WRITTEN SKILLS</td>
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<td>and MUSICIANSHIP III: AURAL SKILLS</td>
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<td>&amp; MUSC 221C</td>
<td>and MUSICIANSHIP III: PIANO SKILLS</td>
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<tr>
<td>MUSC 222A</td>
<td>MUSICIANSHIP IV:WRITTEN SKILLS</td>
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<td>&amp; MUSC 222B</td>
<td>and MUSICIANSHIP IV: AURAL SKILLS</td>
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<td>and MUSICIANSHIP IV: PIANO SKILLS</td>
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<tr>
<td>MAS 301</td>
<td>BMA COLLOQUIUM (eight semesters)</td>
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<tr>
<td>MAS 310</td>
<td>BMA CAPSTONE (Senior Honors Thesis)</td>
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</table>

**Music Electives** | 9

**Second Emphasis outside music (six courses)** | 18

| Total Credit Hours | 122 |

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

**Year 1**

<table>
<thead>
<tr>
<th>Fall</th>
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<th>Spring</th>
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<td>ARTL 101</td>
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<td>ENG 102</td>
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<td>ENG 101</td>
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<tr>
<td>MAS 301</td>
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<td>MUSC 122B</td>
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<tr>
<td>MUSC 121C</td>
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<td>MUSC 122C</td>
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| 15 | 15 |
Year 2

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<td>MUSC 221B</td>
<td>1</td>
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<td>1</td>
</tr>
<tr>
<td>MUSC 221C</td>
<td>2</td>
<td>MUSC 222C</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music 203</td>
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Year 3

<table>
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<th>Spring</th>
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<td>MAS 301</td>
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<td>MUHL 252</td>
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<td>MUHL 253</td>
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<td>Second Emphasis #1</td>
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Year 4

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<td>MAS 301</td>
<td>2</td>
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<tr>
<td>Music Elective</td>
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<td>MAS 310</td>
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<td>Second Emphasis #5</td>
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<td>Second Emphasis #4</td>
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<td>Second Emphasis #6</td>
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Total Credit Hours 122

Piano Performance, BM

The goals of the Piano Program are to prepare the student for the many facets of a diverse performance career (soloist, collaborative pianist, and chamber musician), and to provide the student with the musical skills and pedagogical background to become a productive teacher.

The undergraduate program’s objectives are to:

- acquaint the student with the vast literature for the piano through study and performance of a cross-section of standard repertory encompassing all stylistic periods; develop technical facility in a systematic fashion;
- develop progressively the student’s collaborative and practical skills;
- develop musicianship skills, analytic abilities, and knowledge of musical style;
- introduce principles and methods of piano teaching of children and young adults, from beginning to early advanced levels;
- support the music curriculum with an array of general studies coursework.

Development of repertory and technique is assessed every semester at juries, and at the recitals given in the junior and senior years. Jury and recital requirements are published in the Music Conservatory Handbook (Academic Supplement).

Admission requirements

Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page for audition requirements for piano.

Grade requirements

C- is the minimum passing grade in PIA 211 PIANO (MAJOR), PIA 212 PIANO (MAJOR), and PIA 213 PIANO (MAJOR) and the related jury exams. At the completion of the second year, the student must receive a minimum grade of B- in PIA 214 PIANO (MAJOR) and PERF 262 SOPHOMORE JURY to be admitted to the upper division. In the upper division (PIA 311 PIANO (MAJOR)-PIA 314 PIANO (MAJOR), PERF 361 JUNIOR JURY, PERF 313 JUNIOR RECITAL, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL), grades of B- or higher are required in all courses.

Code | Title | Credit Hours
--- | --- | ---
PIA 211 | PIANO (MAJOR) (and PERF 261 Freshman Jury) | 4
PIA 212 | PIANO (MAJOR) (and PERF 261 Freshman Jury) | 4
PIA 213 | PIANO (MAJOR) (and PERF 262 Sophomore Jury) | 4
PIA 214 | PIANO (MAJOR) (and PERF 262 Sophomore Jury) | 4
PIA 215 | TECHNIQUE EXAMINATION | 0
PIA 311 | PIANO (MAJOR) (and PERF 361 Junior Jury) | 4
PIA 312 | PIANO (MAJOR) (and PERF 313 Junior Recital) | 4
PIA 313 | PIANO (MAJOR) (and PERF 362 Senior Jury) | 4
PIA 314 | PIANO (MAJOR) (and PERF 314 Senior Recital) | 4
PIA 300 | PIANO PERFORMANCE CLASS | 0 (eight semesters)
ENS 220 | PIANO ENSEMBLE I | 1
ENS 221 | PRINCIPLES OF COLLABORATIVE PIANO I | 1
ENS 230 | PIANO ENSEMBLE II | 1
ENS 231 | PRINCIPLES COLLABORATIVE PIANO II | 1
ENS 246 | PRACTICUM:COLLABORATIVE PIANO | 2
ENS 305 | CHAMBER MUSIC (PIANO) | 2
ENS 306 | CHAMBER MUSIC (WIND/BRASS) | 2
ENS 307 | CHAMBER MUSIC (STRINGS) | 2
ENS 211 | LARGE INSTRUMENTAL ENSEMBLE | 2
MUSC 121A & MUSC 121B | MUSICIANSHIP I:WRITTEN SKILLS and MUSICIANSHIP I:AURAL SKILLS | 3
Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

**Violin, Viola, Cello, Double Bass and Harp, BM**

The purpose of the Orchestral Instrument Performance Programs at CCPA is to prepare students for careers as a solo, chamber, and ensemble performers, and to routinize in students the habits consistent with success in the professional environment. The undergraduate program's objectives are to:
• develop students’ capabilities as performers, addressing technical proficiency, knowledge of history and practice specific to their instrument family, and broad awareness of musical styles and repertory;
• develop students’ musicianship through a comprehensive curriculum of written and aural skills, conducting, analysis, history, and literature;
• train students to be effective musical collaborators through comprehensive experiences in large and small ensembles, performing music of all periods and genres (including new music and opera);
• balance the focused music curriculum and support the student’s intellectual interests with a wide choice of academic electives;
• expose students to the entrepreneurial challenges and opportunities of a music career.

Development of repertory and technique is assessed every semester at juries, and at the recitals given in the junior and senior years. Jury and recital requirements are published in the Music Conservatory Handbook (Academic Supplement).

Admission requirements
Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page for audition requirements for violin, viola, cello, double bass, and harp.

Requirements
C- is the minimum passing grade in the first three semesters of applied study (courses 211 through 213), including the related jury exams. At the completion of the second year of applied study, a student must receive a minimum grade of B- in Applied Music 214 and PERF 262 SOPHOMORE JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division applied study (Applied Music 311 through 314 PERF 361 JUNIOR JURY, PERF 313 JUNIOR RECITAL, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL).

The program requires a total of 122 semester hours for violin, viola, and violoncello majors, and 120 semester hours for double bass and harp majors.

Code | Title | Credit Hours
--- | --- | ---
Major Specific Requirements
STB Majors Only
PERF 335 | ORCHESTRAL EXCERPTS - BASS | 4
VCEL Majors Only
PERF 344 | ORCHESTRAL EXCERPTS - VIOLONCELLO | 2
VLA Majors Only
PERF 343 | ORCHESTRAL EXCERPTS - VIOLA | 2
VLN Majors Only
PERF 342 | ORCHESTRAL EXCERPTS - VIOLIN | 2
VLN, VLA, VCEL, and HARP Majors Only
ENS 307 | CHAMBER MUSIC (STRINGS) | 4-8

General Studies
Code | Title | Credit Hours
--- | --- | ---
ARTL 101 | THE PROFESSIONAL MUSICIAN IN SOCIETY | 3
COMMUNICATION
ENG 101, ENG 102, and one other | 9
HUMANITIES/FINE AND PERFORMING ARTS | 9
Foreign language recommended
MATH OR SCIENCE | 3
SOCIAL SCIENCE | 6
Total Credit Hours | 30

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules...
change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

**Year 1**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>Applied Instrument 212</td>
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<td>Performance Class</td>
<td>0</td>
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<tr>
<td>ENS 202 or 211</td>
<td>1</td>
<td>ENS 202 or 211</td>
<td>1</td>
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<tr>
<td>ARTL 101</td>
<td>3</td>
<td>ENG 102</td>
<td>3</td>
</tr>
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<td>ENG 101</td>
<td>3</td>
<td>MUSC 122A</td>
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<td>MUSC 121A</td>
<td>2</td>
<td>MUSC 122B</td>
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<td>MUSC 121B</td>
<td>1</td>
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<td>MUSC 121C</td>
<td>2</td>
<td>General Studies (according to requirements)</td>
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**Year 2**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
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<td>MUSC 221A</td>
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<td>MUSC 221C</td>
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<tr>
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**Year 3**

<table>
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<th>Credit Hours</th>
<th>Spring</th>
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<td>PERF 361</td>
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<td>PERF 215</td>
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<td>MTA 305</td>
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<td>General Studies (according to requirements)</td>
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</table>

**Total Credit Hours 120-122**

**Voice, BM**

The goals of the Voice program are to train singers who are skilled musicians, performance-ready and technically healthy in their approach to singing, good colleagues, artistically prepared through academic and general coursework and performance opportunities, and knowledgeable about all styles and periods of vocal repertory, including art song, opera, and oratorio.

The program's objectives are to:

- Develop technical facility in a systematic fashion, with a common understanding of healthy vocalism that is emphasized across all studios.
- Develop progressively the student's collaborative and practical skills.
- Develop comprehensive musicianship skills, analytic abilities, and knowledge of musical style.
- Support the music curriculum with an array of general education coursework (including essential study in languages).
Development of repertory and technique is assessed every semester at juries, and at the recitals given in the junior and senior years. Jury and recital requirements are published in the Music Conservatory Handbook (Academic Supplement).

**Admission requirements**

Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page for audition requirements for singers.

**Grade and other requirements**

C- is the minimum passing grade in VOI 211 VOICE (MAJOR), VOI 212 VOICE (MAJOR), and VOI 213 VOICE (MAJOR) and the related jury exams. At the completion of the second year the student must receive a minimum grade of B- in VOI 214 VOICE (MAJOR) and PERF 262 SOPHOMORE JURY to be admitted to the upper division. In the upper division (VOI 311 VOICE (MAJOR) - VOI 314 VOICE (MAJOR), PERF 361 JUNIOR JURY, PERF 313 JUNIOR RECITAL, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL), grades of B- or higher are required in all courses.

Students may be excused from taking French, German, and/or Italian if they had a minimum of two years of high school study in the language. In such cases, students will replace the language courses with free non-music electives as needed to earn a minimum of 30 semester hours outside music.

### Code Title Credit Hours

<table>
<thead>
<tr>
<th>Major Area and Supportive Courses in Music</th>
<th>Credit Hours</th>
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<tbody>
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<tr>
<td>VOI 230 FRESHMAN/SOPHOMORE SHOWCASE (two semesters required)</td>
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<td>VOI 330 JUNIOR/SENIOR OPERA PROJECT (four semesters required)</td>
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<td>VOI 100 FRESHMAN PERFORMANCE CLASS (two semesters required)</td>
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<tr>
<td>VOI 200 SOPHOMORE PERFORMANCE CLASS (two semesters required)</td>
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<tr>
<td>VOI 300 JUNIOR VOICE PERFORMANCE CLASS (two semesters required)</td>
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</tr>
<tr>
<td>VOI 325 JUNIOR/SENIOR PERFORMANCE CLASS (two semesters required)</td>
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<tr>
<td>VOI 199 VOCAL COACHING (six semesters required)</td>
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Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Year 1

#### Fall

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<tr>
<th>Code</th>
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<td>PERF 261</td>
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<td>VOI 100</td>
<td>0 VOI 100</td>
<td>0</td>
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<tr>
<td>ARTL 101</td>
<td>3 ENG 102</td>
<td>3</td>
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<tr>
<td>ENG 101</td>
<td>3 ENS 201</td>
<td>3</td>
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<td>1 PERF 212</td>
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<td>VOI 230</td>
<td>1 MUSC 122A</td>
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<tr>
<td>PERF 211</td>
<td>1 MUSC 122B</td>
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</tr>
<tr>
<td>MUSC 121A</td>
<td>2 MUSC 122C</td>
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<tr>
<td>MUSC 121B</td>
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#### Spring

<table>
<thead>
<tr>
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<th>Title</th>
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</tr>
<tr>
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<td>0 VOI 100</td>
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</tr>
<tr>
<td>ARTL 101</td>
<td>3 ENG 102</td>
<td>3</td>
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<td>ENG 101</td>
<td>3 ENS 201</td>
<td>3</td>
</tr>
<tr>
<td>ENS 201</td>
<td>1 PERF 212</td>
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<tr>
<td>VOI 230</td>
<td>1 MUSC 122A</td>
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<tr>
<td>PERF 211</td>
<td>1 MUSC 122B</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 121A</td>
<td>2 MUSC 122C</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 121B</td>
<td>1 Math, Science, or Social Science</td>
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</tr>
<tr>
<td>MUSC 121C</td>
<td>2</td>
<td>2</td>
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</table>
Woodwind, Brass, and Percussion Instruments, BM

The purpose of the Orchestral Instrument Performance Programs at CCPA is to prepare students for careers as a solo, chamber, and ensemble performers, and to routinize in students the habits consistent with success in the professional environment. The undergraduate program’s objectives are to:

- develop students’ capabilities as performers, addressing technical proficiency, knowledge of history and practice specific to their instrument family, and broad awareness of musical styles and repertory;
- develop students’ musicianship through a comprehensive curriculum of written and aural skills, conducting, analysis, history, and literature;
- train students to be effective musical collaborators through comprehensive experiences in large and small ensembles, performing music of all periods and genres (including new music and opera);
- balance the focused music curriculum and support the student’s intellectual interests with a wide choice of academic electives;
- expose students to the entrepreneurial challenges and opportunities of a music career.

Development of repertory and technique is assessed each year at juries, and at the recitals given in the junior and senior years. Jury and recital requirements are published in the Music Conservatory Handbook (Academic Supplement).

**Admission requirements**

Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page for audition requirements for flute, oboe, clarinet, horn, saxophone, bassoon, trumpet, trombone, tuba, and percussion.

**Grade requirements**

C- is the minimum passing grade in the first three semesters of applied study (courses 211 through 213) and the related jury exams. At the completion of the second year of applied study, a student must receive a minimum grade of B- in Applied Music 214 and PERF 262 SOPHOMORE JURY to be admitted to the upper division. The grade of B- is the minimum passing grade in upper division applied study (courses 311 through 314) PERF 361 JUNIOR JURY, PERF 313 JUNIOR RECITAL, PERF 362 SENIOR JURY, and PERF 314 SENIOR RECITAL.

The program requires a total of 120 semester hours for woodwind and brass majors, and 124 semester hours for percussion majors.

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ENS 211</td>
<td>LARGE INSTRUMENTAL ENSEMBLE</td>
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Students are assigned to chamber music ensembles at the discretion of the director and the program heads for up to eight semesters. A minimum of four semesters of ENS 306 CHAMBER MUSIC (WIND/BRASS) is required for wind and brass majors; eight semesters of ENS 308 PERCUSSION ENSEMBLE are required for percussion majors.

### Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<td>VOI 214</td>
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<td>MUHL 210</td>
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<td>MUSC 222A</td>
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<td>MUSC 221A</td>
<td>2</td>
<td>MUSC 222B</td>
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<td>MUSC 221B</td>
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<td>MUSC 222C</td>
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MUSC 121A  MUSICIANSHIP I:WRITTEN SKILLS
& MUSC 121B  and MUSICIANSHIP I:aural SKILLS
& MUSC 121C  and MUSICIANSHIP I:Piano SKILLS
MUSC 122A  MUSICIANSHIP II:WRITTEN SKILLS
& MUSC 122B  and MUSICIANSHIP II:aural SKILLS
& MUSC 122C  and MUSICIANSHIP II:Piano SKILLS
MUSC 221A  MUSICIANSHIP III:WRITTEN SKILLS
& MUSC 221B  and MUSICIANSHIP III:aural SKILLS
& MUSC 221C  and MUSICIANSHIP III:Piano SKILLS
MUSC 222A  MUSICIANSHIP IV:WRITTEN SKILLS
& MUSC 222B  and MUSICIANSHIP IV:aural SKILLS
& MUSC 222C  and MUSICIANSHIP IV:Piano SKILLS
MTA 305  FORM AND ANALYSIS
MUHL 210  THE VERNACULAR MUSIC OF THE
UNITED STATES
MUHL 251  HISTORY OF WESTERN MUSIC I
MUHL 252  HISTORY OF WESTERN MUSIC II
MUHL 253  HISTORY OF WESTERN MUSIC III
PERF 215  ADVANCED STUDY OF RHYTHM/
INTONATION
PERF 240  ELEMENTS OF CONDUCTING
MUHL 351  SPECIAL TOPICS IN MUSIC
LITERATURE (Two semesters)
MPE 330  SENIOR SEMINAR IN MUSIC
PEDAGOGY

General Studies (see below)  30

Total Credit Hours  120

**General Studies**

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Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

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**Year 1**

<table>
<thead>
<tr>
<th>Term</th>
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**Year 2**

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<td></td>
<td>Performance Class</td>
<td>Performance Class 0</td>
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</table>

52 Woodwind, Brass, and Percussion Instruments, BM
Transfer Sophomores must complete a minimum three-year residency. Courses transferred from the previous school(s) will be reviewed for equivalency to Roosevelt’s requirements during the student’s first advising session at the time of matriculation.

**Academic performance**

The only acceptable grades for Acting or Musical Theatre majors in courses offered by the Theatre Conservatory are A, A-, B+, B, and B-. Grades of C+ or C will be reviewed by the Theatre Conservatory administration and faculty, to determine if the student is required to repeat the course. Grades of C- or lower in any Theatre Conservatory course are considered unsatisfactory and may not be applied toward the BFA requirements.

Students must earn grades of C- or higher in all general education (non-major area academic) courses. Grades below C- in these courses may not be applied toward the BFA requirements.

Receiving an unsatisfactory grade in a Theatre Conservatory course will be grounds for disciplinary action; receiving an unsatisfactory grade for a second time in the same class may result in dismissal from the Theatre Conservatory. Students should review the grade policies in the Theatre Conservatory Handbook (https://www.roosevelt.edu/colleges/ccpa/theatre-conservatory/) for further information.

**Auditions and outside performances**

Auditioning is an integral and vital part of the theatre professional’s work. All Acting and Musical Theatre majors in good standing are required to audition for all productions and to complete crew assignments each semester. All students enrolled in programs in The Theatre Conservatory should arrange their schedules to allow ample time for afternoon and evening rehearsals.

Students who wish to be removed from the casting pool in any given semester must obtain the permission of the associate dean/director of the Theatre Conservatory. If permission is granted, the student will still be expected to complete any crew assignments.

Any conflicts with casting assignments that would cause a student to be absent from a rehearsal or performance (e.g. family obligations, work schedules) must be approved in writing by the associate dean/director of the Theatre Conservatory and the show’s director at the beginning of the semester.

For further information on audition requirements and protocols, students should consult the Theatre Conservatory Handbook (https://www.roosevelt.edu/colleges/ccpa/theatre-conservatory/).

Students are encouraged to gain appropriate professional experiences during their academic residency. However, the permission of the associate dean/director of the Theatre Conservatory is necessary before students can audition for outside productions. Juniors and seniors with a minimum GPA of 3.0 may seek such experiences. Sophomores may be considered for outside opportunities with the permission of the faculty.

Freshmen and students on probation in the Theatre Conservatory are not eligible to participate in theatrical activity outside the conservatory. Further, permission to pursue or accept professional engagements does not exempt the student from fulfilling other academic requirements and policies within the conservatory, such as attendance at classes.
Attendance
Punctual attendance at all classes and rehearsals is an important element of the discipline needed for a career in the performing arts, and is an important sign of respect for instructors, directors, colleagues, and oneself.

In the Theatre Conservatory, for classes that meet once a week, a student’s final grade will be lowered by one-half letter for every absence after one. For classes that meet twice a week, a student’s final grade will be lowered by one-half letter for every absence after two. In both cases, two instances of tardiness are the equivalent of one absence.

Beyond these generic guidelines, any instructor may implement additional attendance policies, which will be published in the class syllabus.

Performance Attendance
Performance Attendance is one of the most important requirements in our program. Collaboration and community are vital to our work as artists. Students must register for Performance Attendance (THAR 099) each semester of study. Although this is a non-credit course, completion of eight semesters of satisfactory Performance Attendance is required for graduation.

To fulfill the requirements for THAR 099, students must attend all Theatre Conservatory performances each semester (both O’Malley Theatre and Miller Studio Theatre productions). Missing any production will result in a failing grade. Students who fail THAR 099 risk loss of scholarship, program probation, ineligibility for graduation, or dismissal from the program.

Professional internships
The Theatre Conservatory encourages advanced students to work with professional theatre companies through specially arranged internships, which can form an important part of their training. Roosevelt University students have interned with the Goodman Theatre, Steppenwolf Theatre Company, Chicago Shakespeare Theatre, Lifeline Theatre, The Court Theatre, as well as many other companies in the Chicago area and throughout the nation.

Qualified students may participate in internships in the areas of acting, directing, stage and arts management, design, theatre technology, business and marketing, public relations, development, and front-of-house.

Health policy
Successful completion of coursework and degree programs in the Theatre Conservatory requires that a student be in good psychological and physical health, and have the stamina required to participate safely.

The conservatory recommends that students undergo regular medical checkups and report any pre-existing vocal, physical, or psychological conditions that might affect their work to the appropriate Theatre faculty member.

Because of the specialized nature of the work involved in theatre training, a general physical examination might not be sufficient to detect conditions such as vocal or orthopedic pathologies. When deemed necessary by a faculty member, students will be required to consult a specialist of the student’s choice, in order to insure that participation in coursework or rehearsals will not compromise the student’s health. In cases where such a recommendation is made, a faculty member has the option of requiring documentation from a medical professional verifying that continued participation in training work in the conservatory is not contraindicated, before the student will be allowed to re-enter the class or rehearsal.

The Theatre Conservatory faculty and the college administration will work with students to make reasonable accommodations to assignments and schedules in order to allow for necessary vocal, physical, or psychological rehabilitation. If, however, severe pathological conditions prevent satisfactory participation and/or completion of courses or the degree, a student may be required to take a leave of absence until sufficient health is regained. This determination is made by the associate dean/director of the Theatre Conservatory, in consultation with appropriate faculty and staff.

In cases where the seriousness of the condition makes a leave of absence inappropriate, a student may be dismissed from the program. This determination will be made by the associate dean/director of the Theatre Conservatory, in consultation with appropriate faculty and staff.

Acting, BFA
The BFA in Acting is a pre-professional degree program designed to develop a strong foundation in the skills required for a career as an actor on stage and in film and television. The Acting program provides students with intensive training in several techniques including Stanislavski based work, viewpoints, period styles, on-camera technique, circus arts, stage combat, and Linklater voice and body technique. Acting Majors also receive training in Dance and voice lessons as part of their curriculum. Along with opportunities to perform in mainstage and blackbox productions, Acting majors also have the opportunity to intern at some of Chicago’s most prestigious theatres including Chicago Shakespeare Theater, Steppenwolf Theater and Goodman Theatre and dozens of smaller Chicago theatres.

Admission Requirements
Students interested in the Acting major should already have a strong background and interest in performance and acting. Performing arts education/coursework is a plus but not required.

Please consult the CCPA Admission and Audition Information web page for the BFA in Acting audition requirements (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx).

Requirements

<table>
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<td>THAR 167</td>
<td>INTRODUCTION TO IMPROVISATIONAL PERFORMANCE</td>
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<tr>
<td>THAR 191</td>
<td>INTRODUCTION TO PROFESSIONAL THEATRE: SOCIAL JUSTICE THROUGH PERFORMING ARTS</td>
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<td>VOCAL &amp; PHYSICAL PREPARATION II (plus lab)</td>
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<td>THAR 226</td>
<td>INTERMEDIATE ACTING II</td>
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<td>THAR 231</td>
<td>ACTING ON CAMERA I</td>
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<td>THAR 232</td>
<td>VOCAL &amp; PHYSICAL PREPARATION IV: CLASSICAL</td>
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<td>THAR 242</td>
<td>VOCAL AND PHYSICAL PREPARATION V: DIALECTS</td>
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<td>INTRODUCTION TO TECHNICAL THEATRE</td>
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<td>FRESHMAN REHEARSAL &amp; PERFORM</td>
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<td>THAR 270</td>
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<td>THAR 292</td>
<td>SOCIAL JUSTICE THROUGHOUT THEATRE HISTORY I</td>
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<td>THAR 293</td>
<td>SOCIAL JUSTICE THROUGHOUT THEATRE HISTORY II</td>
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<td>THAR 320</td>
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<td>STAGE MANAGEMENT</td>
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<td>THAR 372</td>
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<td>THAR 381</td>
<td>STUDIES IN THEATRE</td>
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<td>THAR 382</td>
<td>TECHNIQUES IN ACTING</td>
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<td>THAR 385</td>
<td>PERFORMANCE ART I</td>
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<td>THAR 387</td>
<td>SHAKESPEARE IN PERFORMANCE</td>
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<td>ADVANCED ACTING PERIOD STYLES</td>
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**Core Requirements (General Education)**

**Communication Requirement**

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<thead>
<tr>
<th>Course Code</th>
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<tr>
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<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<td>ENG 205</td>
<td>SHAKESPEARE IN CONTEXT</td>
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</table>

**Ideas Across Disciplines**

3 credits in coursework categorized as Ideas. 3

**Mathematics and Science**

3 credits in Math or Science 3

**General Coursework**

Three courses in NON-CCPA coursework including Social Science, Humanities, Business, and Education. 9

Total Credit Hours 134

Other subject areas with permission of advisor.

1 Courses chosen in consultation with Advisor. No applied or online coursework can be counted for general education.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

**Year 1**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Credit Hours</th>
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**Total** 17 16

**Year 2**

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**Total** 17 15
### Year 3

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<td>THAR 381</td>
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### Year 4

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<td>THAR 330</td>
<td>3</td>
<td>THAR 383</td>
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<td>THAR 340</td>
<td>3</td>
<td>THAR 388</td>
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<td>THAR 371</td>
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<td>TVOI 103</td>
<td>1</td>
<td>THAR 372</td>
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<tr>
<td></td>
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Total Credit Hours 134

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### Musical Theatre, BFA

The BFA in Musical Theatre is a pre-professional degree program designed to develop a strong foundation in the skills required for a career as a musical theatre performer, focusing particularly on vocal performance and acting technique. The program blends intensive musical training including music theory, piano skills, and weekly voice lessons with a high level of acting coursework in Linklater technique, scene study, and period styles. Students also receive extensive training in ballet, jazz, modern, tap, and musical theatre dance styles. Musical Theatre majors are eligible for casting in musical productions and plays on the mainstage as well as our blackbox productions.

### Admission requirements

Students interested in the Musical Theatre major should already have a strong background in vocal performance and acting. Dance experience is a plus but not required.

Please consult the CCPA Admission and Audition Information webpage for the BFA in Musical Theatre audition requirements (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx).

### Requirements

#### Code | Title                                | Credit Hours |
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<td>ENSEMBLE SINGING</td>
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<td>MUSICIANSHIP-MUSICAL THEATRE</td>
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<td>THAR 126</td>
<td>KEYBOARD SKILL-MUSICAL THEATRE</td>
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<td>THAR 191</td>
<td>INTRODUCTION TO PROFESSIONAL</td>
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<td>THEATRE: SOCIAL JUSTICE THROUGH</td>
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<td></td>
<td>PERFORMING ARTS</td>
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<td>THAR 203</td>
<td>SCRIPT ANALYSIS</td>
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<td>FUNDAMENTALS OF ACTING I (plus lab)</td>
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<td>FUNDAMENTALS OF ACTING II (plus lab)</td>
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<td>THAR 221</td>
<td>VOCAL &amp; PHYSICAL PREPARATION II (plus lab)</td>
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<td>DIALECTS</td>
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<td>THAR 323</td>
<td>ACTING FOR MUSICAL STAGE IV</td>
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<td>SPECIAL TOPICS IN MUSICAL THEATRE</td>
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<td>THAR 350</td>
<td>REHEARSAL &amp; PERFORMANCE (7 semesters)</td>
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<td>STAGE COMBAT I</td>
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<td>THAR 383</td>
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<td>THAR 385</td>
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TDAN 344  MUSICAL THEATER STYLES I  1
TDAN 345  MUSICAL THEATER STYLES II  1
Private Voice TVOI (seven semesters)  14

Core Requirements (General Education)

Communication Requirement
ENG 101  COMPOSITION I: CRITICAL READING & WRITING  3
ENG 102  COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH  3
ENG 205  SHAKESPEARE IN CONTEXT  3

Ideas Across Disciplines
3 credits in coursework categorized as Ideas.  3

Mathematics and Science
3 credits in Math or Science  3

General Coursework
Three courses in NON-CCPA coursework including Social Science, Humanities, Business and Education  9

Total Credit Hours  140

1 Courses chosen in consultation with Advisor. No applied or online coursework can be counted for general education.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

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Year 1

Fall  |  Credit Hours  |  Spring  |  Credit Hours
---  |  ---  |  ---  |  ---
ENG 101  |  3  |  ENG 102  |  3
THAR 100  |  3  |  THAR 125  |  3
THAR 116  |  1  |  THAR 207  |  3
THAR 206  |  3  |  THAR 207A  |  1
THAR 206A  |  1  |  THAR 270  |  2
THAR 247  |  1  |  THAR 126  |  2
THAR 191  |  1  |  THAR 203  |  2
THAR 250  |  0  |  THAR 099  |  0
THAR 210  |  3  |  THAR 350  |  1
THAR 099  |  0  |  TDAN 221  |  1
TDAN 220  |  1  |  TVOI 102  |  2

Total Credit Hours  18  18

Year 2

Fall  |  Credit Hours  |  Spring  |  Credit Hours
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THAR 099  |  0  |  Ideas Attribute Course or ENG 205  |  3
Ideas Attribute Course or ENG 205  |  3  |  THAR 226  |  3
THAR 225  |  3  |  THAR 221A  |  1

THAR 220A  |  1  |  THAR 270  |  2
THAR 292  |  3  |  THAR 293  |  3
THAR 320  |  3  |  THAR 321  |  3
TDAN 210  |  1  |  THAR 350  |  0
TVOI 103  |  2  |  TDAN 211  |  1
THAR 350  |  1  |  TVOI 104  |  2
THAR 099  |  0  |  0

Total Credit Hours  18  18

Year 3

Fall  |  Credit Hours  |  Spring  |  Credit Hours
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THAR 232  |  3  |  THAR 232  |  3
THAR 236  |  3  |  THAR 324  |  3
THAR 238  |  3  |  THAR 385  |  3
THAR 236  |  3  |  TVOI 201  |  2
THAR 104  |  2  |  THAR 350  |  1
TDAN 330  |  1  |  TDAN 331  |  1
THAR 350  |  0  |  THAR 099  |  0
THAR 099  |  0  |  General Studies according to requirements  |  3

General Studies according to requirements  3

Total Credit Hours  18  16

Year 4

Fall  |  Credit Hours  |  Spring  |  Credit Hours
---  |  ---  |  ---  |  ---
THAR 231  |  3  |  THAR 371  |  3
THAR 340  |  3  |  THAR 383  |  3
THAR 242  |  3  |  THAR 388  |  3
THAR 238  |  2  |  THAR 323  |  3
TVOI 202  |  2  |  TDAN 345  |  1
TDAN 344  |  1  |  TVOI 203  |  2
THAR 350  |  1  |  THAR 350  |  1
THAR 099  |  0  |  THAR 099  |  0
General Studies according to requirements  |  3  |  General Studies according to requirements  |  3

General Studies according to requirements  3

Total Credit Hours  18  17

**Musical Theatre Dance Concentration, BFA**

The BFA in Musical Theatre Dance Concentration is a pre-professional degree program designed to develop a strong foundation in the skills required for a career as a musical theatre performer, focusing particularly on the discipline of dance. The program is a unique blend of Musical Theatre disciplines for the dancer with training in acting, voice and intensive dance studies in Ballet, Jazz, Modern, Tap and Musical Theatre Dance styles. Students in the Dance Concentration will receive specialized training in dance pedagogy, kinesiology, and injury prevention.

Dance Concentration students are eligible for casting in musical productions on the mainstage as well as our blackbox productions.
Admission Requirements

Students interested in the Musical Theatre Dance Concentration should already have a strong dance background and be at an intermediate to advanced level of Ballet and Jazz technique. Applicants to this program should be individuals interested in furthering their Dance training while acquiring training in Acting and Vocal Performance.

Please consult the CCPA Admission and Audition Information web page for the BFA in Musical Theatre Dance Concentration audition requirements (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx).

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tr>
<td>THAR 099</td>
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<td>THAR 100</td>
<td>FUNDAMENTALS OF MUSIC THEORY</td>
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<td>THAR 116</td>
<td>ENSEMBLE SINGING</td>
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<td>THAR 125</td>
<td>MUSICIANSHIP-MUSICAL THEATRE</td>
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<tr>
<td>THAR 126</td>
<td>KEYBOARD SKILL-MUSICAL THEATRE</td>
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<tr>
<td>THAR 191</td>
<td>INTRODUCTION TO PROFESSIONAL THEATRE: SOCIAL JUSTICE THROUGH PERFORMING ARTS</td>
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<tr>
<td>THAR 206</td>
<td>FUNDAMENTALS OF ACTING I (Plus Lab)</td>
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<tr>
<td>THAR 207</td>
<td>FUNDAMENTALS OF ACTING II (Plus Lab)</td>
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<tr>
<td>THAR 225</td>
<td>INTERMEDIATE ACTING I</td>
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<td>THAR 226</td>
<td>INTERMEDIATE ACTING II</td>
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</tr>
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<td>THAR 231</td>
<td>ACTING ON CAMERA I</td>
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<td>THAR 242</td>
<td>VOCAL AND PHYSICAL PREPARATION V: DIALECTS</td>
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<td>THAR 247</td>
<td>INTRODUCTION TO TECHNICAL THEATRE</td>
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<td>THAR 250</td>
<td>FRESHMAN REHEARSAL &amp; PERFORM</td>
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<td>THAR 320</td>
<td>ACTING MUSICAL STAGE I</td>
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<td>THAR 321</td>
<td>ACTING MUSICAL STAGE II</td>
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<tr>
<td>THAR 322</td>
<td>ACTING MUSICAL STAGE III</td>
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<tr>
<td>THAR 324</td>
<td>HISTORY OF MUSICAL THEATRE</td>
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<td>THAR 326</td>
<td>ENSEMBLE FOR THE MUSICAL STAGE</td>
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<td>THAR 328</td>
<td>SPECIAL TOPICS IN MUSICAL THEATRE</td>
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<td>THAR 340</td>
<td>AUDITION AND THEATRE BUSINESS</td>
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<td>THAR 350</td>
<td>REHEARSAL &amp; PERFORMANCE (seven semesters)</td>
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<td>THAR 371</td>
<td>STAGE COMBAT I</td>
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<td>AMERICAN THEATER: DRAMATIC VISIONS OF SOCIAL JUSTICE</td>
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<td>JAZZ MTD: BEGINNING/INTERMEDIATE</td>
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<td>THAR 220</td>
<td>VOCAL &amp; PHYSICAL PREPARATION I</td>
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<td>THAR 221</td>
<td>VOCAL &amp; PHYSICAL PREPARATION II</td>
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<td>SCRIPT ANALYSIS</td>
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<td>SOCIAL JUSTICE THROUGHOUT THEATRE HISTORY II</td>
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<tr>
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<td>BALLET MTD: INTERMEDIATE/ADVANCED</td>
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<td>TDAN 180</td>
<td>CORE STYLES &amp; TECHNIQUE I</td>
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<tr>
<td>TDAN 181</td>
<td>CORE STYLES &amp; TECHNIQUE II</td>
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<td>TDAN 241</td>
<td>SPECIAL TOPICS IN MUSICAL THEATRE: DANCE</td>
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<tr>
<td>TDAN 280</td>
<td>CORE STYLES &amp; TECHNIQUE III</td>
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<td>TDAN 281</td>
<td>CORE STYLES &amp; TECHNIQUE IV</td>
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<td>CORE STYLES &amp; TECHNIQUE v</td>
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<td>TDAN 381</td>
<td>CORE STYLES &amp; TECHNIQUE VI</td>
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<td>TDAN 120</td>
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</tr>
<tr>
<td>TDAN 131</td>
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<td>TDAN 241</td>
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<td>TDAN 280</td>
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<td>TDAN 381</td>
<td>CORE STYLES &amp; TECHNIQUE VI</td>
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Core Requirements (General Education)

Communication Requirement

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<th>Credit Hours</th>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
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<tr>
<td>ENG 205</td>
<td>SHAKESPEARE IN CONTEXT</td>
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</table>

Ideas Across Disciplines

3 credits in coursework categorized as Ideas. 3

Mathematics

3 credits in Math or Science 3

General Coursework

Three courses in NON-CCPA coursework including Social Science, Humanities, Business and Education 1

Total Credit Hours 143

1 Courses chosen in consultation with Advisor. No applied or online coursework can be counted for general education.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.
Minors

Undergraduate students may choose one or more secondary areas of specialization, called minors, along with their majors. Minors typically require between 12 and 18 credit hours (four to six classes). Students majoring in one program often elect to complete a minor in another program and even in another college. Students should consult with their academic advisor to determine if a minor fits their academic plan.

- Music Composition, Minor (p. 59)
- Music, Minor (p. 59)

Music Composition, Minor

A 15-credit-hour minor in composition is available to students pursuing the Bachelor of Music (in any field) or the Bachelor of Musical Arts degree who have passed MUSC 121A MUSICIANSHIP I:WRITTEN SKILLS/MUSC 121B MUSICIANSHIP I:AURAL SKILLS/MUSC 121C MUSICIANSHIP I:PIANO SKILLS and MUSC 122A MUSICIANSHIP II:WRITTEN SKILLS/MUSC 122B MUSICIANSHIP II:AURAL SKILLS/MUSC 122C MUSICIANSHIP II:PIANO SKILLS with a B average (minimum). Students may use courses already required for their major toward fulfillment of the minor in composition.

Requirements

The completion of the following requirements with an average of B or better fulfills the requirements for the minor. Students may elect complete sequences (such as MTA 301 INSTRUMENTATION/ORCHESTRATION and MTA 302 ADVANCED ORCHESTRATION) or the first course in any of the three sequences.

Students pursuing the composition minor must have at least one and up to three pieces performed on a student composition recital during the course of their studies.

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<thead>
<tr>
<th>Code</th>
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<tr>
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<td>MCMP 325</td>
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</thead>
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<td>COMPOSITION &amp; ARRANGING I</td>
<td>12</td>
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<tr>
<td>JAZZ 306</td>
<td>COMPOSITION &amp; ARRANGING II</td>
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</tr>
<tr>
<td>MTA 301</td>
<td>INSTRUMENTATION/ORCHESTRATION</td>
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<tr>
<td>MTA 302</td>
<td>ADVANCED ORCHESTRATION</td>
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<tr>
<td>MTA 304</td>
<td>COUNTERPOINT</td>
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<tr>
<td>MTA 305</td>
<td>FORM AND ANALYSIS</td>
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</tr>
<tr>
<td>MTA 325</td>
<td>INTRO ELECTROACOUSTIC MUSIC</td>
<td></td>
</tr>
<tr>
<td>MTA 326</td>
<td>ELECTROACOUSTIC MUSIC II</td>
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</tr>
</tbody>
</table>

Total Credit Hours 15

Music, Minor

The Music Minor is open to students in the Colleges of Arts and Sciences, Education, and Business and the Robert Morris Experiential College who wish to pursue musical studies to complement or enhance their major areas, or to build on their previous own musical activities. The study of music develops the capacity to identify, integrate and apply materials, choices, and techniques to form new ideas and create new and unique work. Thus, it combines well with any humanistic field as well
as technical or scientific disciplines. Musical knowledge and skills are also useful for students who intend to pursue a teaching career at the elementary, middle, or high school level.

The music minor includes performance studies as well as courses that explicitly tie to the University's signal issue of social justice by treating music as a cultural force.

Six courses (18 credits) are required for the music minor. At least two of the courses must be taken at Roosevelt University, and one of these must be at the 300-level. Minimum grades of C- are required to fulfill minor requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td></td>
<td><strong>Two performance-related courses:</strong></td>
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<tr>
<td>MUS 115</td>
<td>BEGINNING PIANO</td>
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<tr>
<td>MUS 120</td>
<td>BEGINNING VOICE</td>
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<tr>
<td>MUS 156</td>
<td>BEGINNING GUITAR</td>
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<tr>
<td>MUS 204</td>
<td>UNIVERSITY SINGERS</td>
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<tr>
<td></td>
<td><strong>Select one of the following:</strong></td>
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<tr>
<td>MUHL 210</td>
<td>THE VERNACULAR MUSIC OF THE UNITED STATES</td>
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<tr>
<td>or MUS 240</td>
<td>MUSIC IN CULTURE &amp; SOCIETY</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>One 200-level elective:</strong></td>
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</tr>
<tr>
<td>MUS 201</td>
<td>PRINCIPLES OF MUSIC COMPOSITION</td>
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</tr>
<tr>
<td>MUS 240</td>
<td>MUSIC IN CULTURE &amp; SOCIETY</td>
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<tr>
<td>ARTL 200</td>
<td>ARTS EDUCATION AND COMMUNITY ENGAGEMENT</td>
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<tr>
<td></td>
<td><strong>One 300-level elective:</strong></td>
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<tr>
<td>MUS 3XX</td>
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<tr>
<td>MUHL 3XX</td>
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<tr>
<td>MCMP 3XX</td>
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<tr>
<td></td>
<td><strong>One elective at any level</strong></td>
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<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
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</table>
COLLEGE OF ARTS AND SCIENCES

Since its founding in 1945, the College of Arts and Sciences has been the core of the educational environment at Roosevelt University. The college instructs students in the critical, cultural, and technological literacies that enable them to create satisfying lives as professionals, citizens, and private individuals. Courses are offered in the traditional arts and sciences as well as in emerging professional and technical fields. The college provides opportunities for students to fulfill general education requirements, complete majors leading to bachelor's degrees and prepares them for admission to professional and graduate schools.

The College of Arts and Sciences offers undergraduate programs leading to the degrees of Bachelor of Arts and Bachelor of Science. Students who are new to the university or who have not declared an academic major receive advising in the advising centers. Soon after, students in Arts and Sciences are advised in their majors.

Students should consult the catalog page for their major to see their General Education requirements, which are listed along with other detailed requirements for the major.

Further Requirements for BA and BS Degrees in the College of Arts and Sciences

Course Work at the 200 and 300 Level

At least 60 credit hours of work with satisfactory final grades must be completed in courses numbered 200 or higher of which at least 18 credit hours must be in courses numbered 300 or higher.

Grade Point Average

A regular student in good standing becomes a candidate for the degree upon completion of a minimum of 120 semester hours of work with a grade point average of 2.0 or higher at Roosevelt University. Students are also responsible for checking the grade point average requirements of their majors.

Majors

Students are urged to declare a major during their sophomore year and to consult their academic advisor regularly. All seniors should complete a final check of requirements no later than the semester preceding the one in which they expect to graduate.

Maximum Hours in the Major

At least 69 credit hours (63 credit hours for BS candidates) must be completed outside the student's major. Note that some majors require additional hours outside the major.

Minors

Many students choose a minor to complement their major. Students can complete a minor outside of the College of Arts and Sciences and specific requirements for these minors are listed in the relevant section of this catalog. Students should see their academic advisor for recommendations and approval.

Shared Coursework

• Major credits can be shared with CORE Ideas and Experiential Learning courses, if designated as such by the program
• Major credits may not be shared with CORE credits toward other general education requirements in Communication, Mathematics, Natural Science, Social Science, and Humanities
• Credits cannot be shared between a major and a minor
• Credits can be shared between CORE (General Education) requirements and a minor

Actuarial Science, BA

Risk analysts and actuaries are expected to earn professional designation from either the Society of Actuaries (http://www.soa.org) (life and health insurance) or the Casualty Actuarial Society (http://www.casact.org) (property and casualty insurance). These societies administer a series of examinations that lead to the risk analyst designation, or for actuaries, first to the designation of associate and then to fellow. The initial exams are the same for both societies. The courses required for the major and the minor will aid the student in preparing for the first two of the professional societies’ examinations and will also satisfy their Validation by Educational Experience (VEE) (https://www.soa.org/education/exam-req/edu-vee.aspx) requirements in economics, corporate finance, and mathematical statistics.

Actuarial Science involves the application of probability theory and risk management to the areas of life and health insurance, property and casualty insurance, pension plans, and other employee benefit plans. Risk analysts and actuaries, who evaluate the long-term financial impact of these plans on both the issuing company and the purchaser or beneficiary of the plan, are employed by insurance companies, consulting firms, large corporations, and governmental agencies. The major in actuarial science emphasizes the mathematical theory that underlies risk evaluation.

Admission

Advanced placement in mathematics is possible for well-prepared students.

Standards

All courses presented for the major and the minor(s) must be completed with grades of C- or higher with an overall GPA of 2.0 or higher. A maximum of two grades of C- may be presented for the major. Repeated courses in the major or minor require specific approval of the department chair. The average grade for all courses taken in actuarial science and mathematics must be C- or higher. Note that although the major only requires a grade of C- or above for graduation, ECON 101 PRINCIPLES OF ECONOMICS I, ECON 102 PRINCIPLES OF ECONOMICS II, FIN 311 PRINCIPLES OF FINANCE, FIN 321 INVESTMENTS, and ACSC 348 MATHEMATICAL STATISTICS must be passed with a grade of B- or above in order to fulfill Validation by Educational Experience (VEE) requirements for the CAS (Casualty Actuarial Society) and the SOA (Society of Actuaries). Students with a grade of C+ or below in ECON 101 PRINCIPLES OF ECONOMICS I, ECON 102 PRINCIPLES OF ECONOMICS II, FIN 311 PRINCIPLES OF FINANCE, FIN 321 INVESTMENTS, or ACSC 348 MATHEMATICAL STATISTICS are strongly encouraged to retake the course in order to earn a grade of B- or above.
Requirements

- At least four courses in Actuarial Science must be completed at Roosevelt University.
- The BA degree requires a Finance minor (for non-Business majors) (p. 203).
- Students completing a Bachelor of Arts degree in Actuarial Science must take at least one professional exam prior to graduation. Proof should be submitted to the chair.
- All credit must be approved by the department to be applied toward the major.

Recommendations

- Appropriate supporting courses in computer science, economics, and finance are recommended.
- Students should prepare to take an actuarial professional exam early in their degree plan, as this is often a requirement for actuarial internships. Both ACSC 367 FINANCIAL MATH and ACSC 347 PROBABILITY THEORY correspond to the content of the first two of these actuarial professional exams; the corresponding seminar courses ACSC 380FM ACTUARIAL SCIENCE SEMINAR: EXAM FM/2 and ACSC 380P ACTUARIAL SCIENCE SEMINAR: EXAM P/1 aid in exam prep.
- ACSC 390 INDUSTRIAL RESEARCH PROBLEMS is recommended as an experiential learning course, as is ACSC 349 REGRESSION & TIME SERIES.
- ACSC 348 MATHEMATICAL STATISTICS satisfies the Mathematical Statistics VEE requirement provided a student earns a grade of B- or higher.
- Students are encouraged to do an actuarial, financial, programming, or statistical internship prior to graduation.

The major sequence for the Bachelor of Arts degree is given below.

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<thead>
<tr>
<th>Code</th>
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<tr>
<td>ACSC 101</td>
<td>ACTUARIAL CAREER</td>
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<td>MATH 231</td>
<td>CALCULUS I</td>
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<td>MATH 232</td>
<td>CALCULUS II</td>
<td>5</td>
</tr>
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<td>MATH 233</td>
<td>CALCULUS III</td>
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<tr>
<td>ACSC 246</td>
<td>LINEAR ALGEBRA</td>
<td>3</td>
</tr>
<tr>
<td>ACSC 347</td>
<td>PROBABILITY THEORY</td>
<td>3</td>
</tr>
<tr>
<td>ACSC 348</td>
<td>MATHEMATICAL STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>ACSC 349</td>
<td>REGRESSION &amp; TIME SERIES</td>
<td>3</td>
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<td>ACSC 367</td>
<td>FINANCIAL MATH</td>
<td>3</td>
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<tr>
<td>ACSC 380FM</td>
<td>ACTUARIAL SCIENCE SEMINAR: EXAM FM/2</td>
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<tr>
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<td>ACSC 323</td>
<td>COOPERATION AND COMPETITION -- GAME THEORY AND APPLICATIONS</td>
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<td>ACSC 328</td>
<td>LINEAR PROGRAMMING &amp; OPTIMIZATION</td>
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<tr>
<td>ACSC 366</td>
<td>ADVANCED EXCEL METHODS</td>
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<td>ACSC 369</td>
<td>MODELS FOR LIFE CONTINGENCIES</td>
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<tr>
<td>ACSC 378</td>
<td>TOPICS IN ACTUARIAL MATH</td>
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<tr>
<td>or ACSC 380P</td>
<td>ACTUARIAL SCIENCE SEMINAR: EXAM P/1</td>
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Required Programming Course

| CST 150 | COMPUTER SCIENCE I                          | 4            |

VEE requirement (part of Finance minor)

| ECON 101 | PRINCIPLES OF ECONOMICS I (fulfills portion of social science gen ed requirement) | 3            |
| ECON 102 | PRINCIPLES OF ECONOMICS II (fulfills portion of social science gen ed requirement) | 3            |

| FIN 311 | PRINCIPLES OF FINANCE                       | 3            |
| FIN 321 | INVESTMENTS                                 | 3            |

Additional Courses for the Finance Minor

| ACCT 210 | PRINCIPLES OF ACCOUNTING I                  | 3            |
| FIN 301  | MONEY AND BANKING                           | 3            |
| FIN 3XX  |                                       | 3            |

General Education, University Writing Requirement, and Electives 57

Total Credit Hours 120

CORE Requirements (General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
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<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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</table>

Communication Requirement

| ENG 101 | COMPOSITION I: CRITICAL READING & WRITING  | 3            |
| ENG 102 | COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH | 3            |
| COMM 101 | PUBLIC SPEAKING (or program specific CORE communications course) | 3            |

Ideas Across Disciplines

3 credits in coursework categorized as Ideas. 3

Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies 9

Mathematics

| MATH 110 | QUANTITATIVE LITERACY (or above) 1        | 3            |

Science

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

Social Sciences

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies 9
Experiential Learning
6 credits from coursework categorized as Experiential Learning.

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students must transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENG 101</td>
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<tr>
<td>MATH 121</td>
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<td>Ideas Across Disciplines</td>
</tr>
<tr>
<td>ACSC 101</td>
<td>1</td>
<td>CST 150</td>
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<tr>
<td>Physical Science</td>
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<td>MATH 122</td>
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Year 2

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<tbody>
<tr>
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<td>MATH 231</td>
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<td>HUMANITIES #1</td>
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<td>FIN 311</td>
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<td>COMM 101</td>
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<td>SOCIAL SCIENCE #3</td>
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Year 3

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<td>ACSC 380FM or 380P</td>
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<tr>
<td>ACSC 367</td>
<td>3</td>
<td>HUMANITIES #2</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
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<td>EXPERIENTIAL LE</td>
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<td>ACSC 3XX</td>
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Year 4

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<td>FIN 3XX</td>
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<td>General Elective</td>
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<tr>
<td>Humanities #3</td>
<td>3</td>
<td>General Elective</td>
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<tr>
<td>ACSC 349 (EXL course)</td>
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<td>General Elective</td>
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<tr>
<td>General Elective</td>
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</tbody>
</table>

Total Credit Hours 120

A three-year degree plan is shown below for the well-prepared student who has the time available to take 18-credits in the fall and spring terms as well as the ability to take summer courses.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Summer Credit Hours</th>
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<tr>
<td>ENG 101</td>
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<td>ENG 102</td>
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<td>ACCT 210</td>
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<td>Physical Science</td>
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<tr>
<td>ACSC 101</td>
<td>1</td>
<td>CST 150</td>
<td></td>
</tr>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>MATH 232</td>
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<tr>
<td>MATH 231</td>
<td>5</td>
<td>ECON 102</td>
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<td>ECON 101</td>
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Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Summer Credit Hours</th>
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<tbody>
<tr>
<td>MATH 233</td>
<td>3</td>
<td>ACSC 246</td>
<td>FIN 398 or ACSC 395</td>
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<td>COMM 101</td>
<td>3</td>
<td>ACSC 348</td>
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<tr>
<td>FIN 311</td>
<td>3</td>
<td>FIN 321</td>
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</tr>
<tr>
<td>ACSC 347</td>
<td>3</td>
<td>ACSC 380F</td>
<td></td>
</tr>
<tr>
<td>ACSC 367</td>
<td>3</td>
<td>EXPERIENTIAL LEARNING #1 (ACSC 390 suggested)</td>
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</tr>
<tr>
<td>FIN 301</td>
<td>3</td>
<td>General Elective</td>
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</tr>
</tbody>
</table>

Total Credit Hours 120
**Actuarial Science, BS**

Risk analysts and actuaries are expected to earn professional designation from either the Society of Actuaries (http://www.soa.org) (life and health insurance) or the Casualty Actuarial Society (http://www.caasact.org) (property and casualty insurance). These societies administer a series of examinations that lead to the risk analyst designation, or for actuaries, first to the designation of associate and then to fellow. The initial exams are the same for both societies. The courses required for the major and the minor will aid the student in preparing for the first two of the professional societies’ examinations and will also satisfy their Validation by Educational Experience (VEE) requirements in economics, corporate finance, and mathematical statistics.

Actuarial Science involves the application of probability theory and risk management to the areas of life and health insurance, property and casualty insurance, pension plans, and other employee benefit plans. Risk analysts and actuaries, who evaluate the long-term financial impact of these plans on both the issuing company and the purchaser or beneficiary of the plan, are employed by insurance companies, consulting firms, large corporations and governmental agencies. The major in actuarial science emphasizes the mathematical theory that underlies risk evaluation.

**Admission**

Advanced placement in mathematics is possible for well-prepared students.

**Standards**

All courses presented for the major and the minor(s) must be completed with grades of C- or higher with an overall GPA of 2.0 in the major. A maximum of two grades of C- may be presented for the major. Repeated courses in the major or minor require specific approval of the department chair. The average grade for all courses taken in actuarial science and mathematics must be C- or higher. Note that although the major only requires a grade of C- or above for graduation, ECON 101 PRINCIPLES OF ECONOMICS I, ECON 102 PRINCIPLES OF ECONOMICS II, FIN 311 PRINCIPLES OF FINANCE, FIN 321 INVESTMENTS, and ACSC 348 MATHEMATICAL STATISTICS must be passed with a grade of B- or above in order to fulfill VEE (Validation by Educational Experience) requirements for the CAS (Casually Actuarial Society) and the SOA (Society of Actuaries). Students with a grade of C+ or below in any of these courses in the major or minor require specific approval of the department chair. The average grade for all courses taken in actuarial science and mathematics must be C- or higher. Note that although the major only requires a grade of C- or above for graduation, ECON 101 PRINCIPLES OF ECONOMICS I, ECON 102 PRINCIPLES OF ECONOMICS II, FIN 311 PRINCIPLES OF FINANCE, FIN 321 INVESTMENTS, and ACSC 348 MATHEMATICAL STATISTICS are strongly encouraged to retake the course in order to earn a grade of B- or above.

**Requirements**

- At least four courses in Actuarial Science must be completed at Roosevelt University.
- A student completing a Bachelor of Science degree in Actuarial Science must take at least one professional exam prior to graduation. Proof should be submitted to the department chair.
- All credit must be approved by the department to be applied toward the major.
- At least 60 semester hours must be in actuarial science, mathematics, computer science, natural sciences and/or psychology. (Note that typically fulfilling the standard general education requirements, the major requirements, and the science minor or supporting sequence will result in at least 60 semester hours.)
- The BS degree requires both a minor in Finance (p. 203) and an additional minor or 15 credit hour supporting sequence in a science. Computer Science is strongly recommended. Approved areas for the BS degree are:
  - Biology (p. 145)
  - Chemistry (p. 146)
  - Computer Science (p. 146) (courses must be numbered higher than the 115 level.)
  - Mathematics (p. 153)
  - Physical Science (courses must be at or above PHSC 103 GLOBAL CLIMATE CHANGE)
  - Psychology (p. 156)
- Students who transfer in 15 credits in physics may use those for the supporting sequence.

**Recommendations**

- Appropriate supporting courses in computer science, economics, and finance are recommended.
- Students should prepare to take an actuarial professional exam early in their degree plan, as this is often a requirement for actuarial internships. Both ACSC 367 FINANCIAL MATH and ACSC 347...
PROBABILITY THEORY correspond to the content of the first two of these actuarial professional exams; the corresponding seminar courses ACSC 380FM ACTUARIAL SCIENCE SEMINAR: EXAM FM/2 and ACSC 380P ACTUARIAL SCIENCE SEMINAR: EXAM P/1 aid in exam preparation.

- ACSC 390 INDUSTRIAL RESEARCH PROBLEMS is recommended as an experiential learning course, as is the required ACSC 349 REGRESSION & TIME SERIES course.
- ACSC 348 MATHEMATICAL STATISTICS satisfies the Mathematical Statistics VEE requirement provided a student earns a grade of B- or higher.
- Students are encouraged to do an actuarial, computing, financial, or statistical internship prior to graduation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
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<td>ACSC 101</td>
<td>ACTUARIAL CAREER</td>
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<td>MATH 231</td>
<td>CALCULUS I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 232</td>
<td>CALCULUS II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 233</td>
<td>CALCULUS III</td>
<td>3</td>
</tr>
<tr>
<td>ACSC 246</td>
<td>LINEAR ALGEBRA</td>
<td>3</td>
</tr>
<tr>
<td>ACSC 347</td>
<td>PROBABILITY THEORY</td>
<td>3</td>
</tr>
<tr>
<td>ACSC 348</td>
<td>MATHEMATICAL STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>ACSC 349</td>
<td>REGRESSION &amp; TIME SERIES</td>
<td>3</td>
</tr>
<tr>
<td>ACSC 367</td>
<td>FINANCIAL MATH</td>
<td>3</td>
</tr>
<tr>
<td>ACSC 380FM</td>
<td>ACTUARIAL SCIENCE SEMINAR: EXAM FM/2</td>
<td>3</td>
</tr>
<tr>
<td>or ACSC 380P</td>
<td>ACTUARIAL SCIENCE SEMINAR: EXAM P/1</td>
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<td>Select two of the following:</td>
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<tr>
<td>ACSC 309</td>
<td>DATA MINING</td>
<td></td>
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<tr>
<td>ACSC 323</td>
<td>COOPERATION AND COMPETITION -- GAME THEORY AND APPLICATIONS</td>
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<tr>
<td>ACSC 328</td>
<td>LINEAR PROGRAMMING &amp; OPTIMIZATION</td>
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<tr>
<td>ACSC 366</td>
<td>ADVANCED EXCEL METHODS</td>
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<tr>
<td>ACSC 369</td>
<td>MODELS FOR LIFE CONTINGENCIES</td>
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<tr>
<td>ACSC 378</td>
<td>TOPICS IN ACTUARIAL MATH</td>
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<tr>
<td>ACSC 380FM</td>
<td>ACTUARIAL SCIENCE SEMINAR: EXAM FM/2</td>
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<tr>
<td>or ACSC 380P</td>
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<td>3</td>
</tr>
<tr>
<td>ACSC 390</td>
<td>INDUSTRIAL RESEARCH PROBLEMS (EXL course)</td>
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</table>

**VEE requirement (part of Finance minor)**

<table>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>ECON 101</td>
<td>PRINCIPLES OF ECONOMICS I (fulfills a portion of the social science gen ed requirement)</td>
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<td>ECON 102</td>
<td>PRINCIPLES OF ECONOMICS II (fulfills a portion of the social science gen ed requirement)</td>
<td>3</td>
</tr>
<tr>
<td>FIN 311</td>
<td>PRINCIPLES OF FINANCE</td>
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<td>FIN 321</td>
<td>INVESTMENTS</td>
<td>3</td>
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</table>

**Additional requirements for the finance minor**

<table>
<thead>
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<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
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</tr>
<tr>
<td>FIN 301</td>
<td>MONEY AND BANKING</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3XX</td>
<td></td>
<td>3</td>
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</tbody>
</table>

**Required Programming Course**

May be used as part of the minor/supporting sequence, if CST is chosen

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>COMPUTER SCIENCE I</td>
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</table>

**Additional science minor or supporting sequence requirements**

Select five sequence courses in an area of science (computer science is recommended)

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CST 150</td>
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<tr>
<td>CST 250</td>
<td>COMPUTER SCIENCE II</td>
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<td>CST 2XX</td>
<td>COMPUTER SCIENCE ELECTIVE</td>
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<td>CST 309</td>
<td>DATA MINING (Can count either in CST minor or as an ACSC elective, but not both)</td>
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<tr>
<td>CST 333</td>
<td>DATABASE SYSTEMS</td>
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**CORE Requirements (General Education)**

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**Communication Requirement**

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
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</thead>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<td>3</td>
</tr>
</tbody>
</table>

**Ideas Across Disciplines**

3 credits in coursework categorized as Ideas. 3

**Humanities and Fine and Performing Arts**

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies

**Mathematics**

<table>
<thead>
<tr>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above) 1</td>
<td>3</td>
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</tbody>
</table>

**Science**

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

**Social Sciences**

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies

**Experiential Learning**

6 credits from coursework categorized as Experiential Learning. 6

**Total Credit Hours**

120
Higher level of Math may be required by major.

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
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### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 101</td>
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<td>ENG 102</td>
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<tr>
<td>FYS 101</td>
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<td>Ideas Across Disciplines</td>
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<td>CST 150</td>
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<td>MATH 122</td>
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<td>Physical Science</td>
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<td>ECON 101</td>
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### Year 2

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<th>Spring</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ACCT 210</td>
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<td>FIN 301</td>
<td>3</td>
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<td>MATH 231</td>
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<td>5</td>
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<tr>
<td>COMM 101</td>
<td>3</td>
<td>ACSC 246</td>
<td>3</td>
</tr>
<tr>
<td>HUMANITIES #1</td>
<td>3</td>
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<td>3</td>
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<tr>
<td>SOCIAL SCIENCE #3</td>
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<td></td>
<td>17</td>
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### Year 3

<table>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 233</td>
<td>4</td>
<td>ACSC 380FM or 380P</td>
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### Year 4

<table>
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<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science Minor or Sequence</td>
<td>3</td>
<td>EXPERIENTIAL LE (ACSC 390 recommended)</td>
<td>3</td>
</tr>
<tr>
<td>Science Minor or Sequence</td>
<td>3</td>
<td>ACSC 348</td>
<td>3</td>
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<tr>
<td></td>
<td>15</td>
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</tbody>
</table>

Total Credit Hours 120

1. One Natural Science course must have a lab.
2. Any course at the 300 Level within the discipline.
3. Experiential Learning class must be 200/300 level. Students are encouraged to take ACSC 390 INDUSTRIAL RESEARCH PROBLEMS in addition to the required ACSC 349 REGRESSION & TIME SERIES course in order to satisfy their Experiential Learning requirements.
4. Where a student begins their math sequence depends on their placement, and so some students will start in MATH 231 CALCULUS I instead. Students should take this sequence of courses each semester until they complete MATH 232 CALCULUS II they should take MATH 233 CALCULUS III in the next possible fall term.
5. Students should take ACSC 347 PROBABILITY THEORY and ACSC 367 FINANCIAL MATH in the first fall term that occurs after they complete MATH 232 CALCULUS II.

### African American Studies, BA

Courses offered in the program enable students in all of the colleges within the university to pursue undergraduate sequences for enrichment or specialization in African American studies. Most courses offered through the St. Clair Drake Center for African and African American Studies are interdisciplinary and may be used to satisfy general education requirements as well as electives. The objectives of the African American studies program are:

- To provide a fundamental understanding of those economic, social, cultural, and political forces in Africa, Europe, and North and Latin America that have shaped the lives of African peoples throughout the African Diaspora, c. 1400 to the present.
- To better understand the unique history and relationships between Africans that live outside of the continent and those that have remained.
- To provide, through the Drake Center, a place to conduct basic and applied research.
- To provide resources to create materials that illustrate the problems and development of peoples of African descent in a variety of institutional settings. A major focus of the Drake Center continues...
to be the Chicago metropolitan area, including urban and suburban enclaves, most notably, the famed Black Metropolis.

- To influence and support conversations about Africa by providing accurate, timely, and appropriate information on selected topics.
- To provide multiple levels of understanding of unique problems of African Americans in contemporary American life and the space required to work toward solutions to those problems.
- To place African American men and women in the complex and often conflicted layers of American society and to show how each has contributed to the development of modern day American society.
- To develop an expanding curriculum and a body of research that informs and influences policy that affects the lives of African Americans.

Students interested in African American studies are encouraged to take courses in African history and politics. Interested students should consult the director of the Drake Center as early in their academic careers as possible.

The BA in African American Studies will help students gain an interdisciplinary understanding on past and present social, economic, and political conditions of Africans and people of African descent, and to connect their struggles for social and economic justice with those of disenfranchised peoples throughout the world.

**Standards**

Students must complete all course work with a grade of C- or higher, with an overall GPA in the major of at least 2.0.

Requirements: Thirty credit hours of course work are required. With the approval of the program director, students select 21 credit hours from African American Studies courses, of which 12 credit hours must be at the 300 level. Also, 9 credit hours must be selected from courses in African history, politics, and culture. At least 15 credit hours of course work must be taken at Roosevelt University.

Courses listed below are only a portion of possible offerings. Check course schedules or meet with an advisor for additions.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>AFS 102</td>
<td>INTRODUCTION TO AFRICAN-AMERICAN STUDIES</td>
<td>9</td>
</tr>
<tr>
<td>AFS 207</td>
<td>INTRODUCTION TO AFRICAN-AMERICAN LITERATURE</td>
<td></td>
</tr>
<tr>
<td>AFS 211</td>
<td>PSYCHOLOGY STUDY OF RACISM</td>
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</tr>
<tr>
<td>AFS 228</td>
<td>AFRICAN-AMERICAN HISTORY:1619-1877</td>
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<tr>
<td>AFS 229</td>
<td>AFRICAN-AMERICAN HISTORY:1877-1960</td>
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</table>

**Advanced 300 Level African American Electives**

<table>
<thead>
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<tr>
<td>AFS 317</td>
<td>THE AFRICAN-AMERICAN WOMAN</td>
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</tr>
<tr>
<td>AFS 318</td>
<td>THE AFRICAN-AMERICAN MAN</td>
<td></td>
</tr>
<tr>
<td>AFS 327</td>
<td>RACE AND ETHNIC RELATIONS</td>
<td></td>
</tr>
<tr>
<td>AFS 381</td>
<td>SPECIAL TOPICS IN AFRICAN AMERICAN STUDIES</td>
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**African Studies Courses**

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AFS 101</td>
<td>INTRODUCTION TO AFRICAN STUDIES</td>
<td>9</td>
</tr>
<tr>
<td>AFS 210</td>
<td>RACE IN AMERICAN POLITICS</td>
<td></td>
</tr>
<tr>
<td>AFS 234</td>
<td>RACE &amp; SEX IN JAMESTOWN</td>
<td></td>
</tr>
<tr>
<td>AFS 240</td>
<td>INTRODUCTION TO AFRICA: CULTURE &amp; HISTORY</td>
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</table>

Additional Interdisciplinary Courses may apply. See Advisor.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credit Hours</th>
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<tr>
<td></td>
<td>General Education, University Writing Requirement, and Electives</td>
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**Total Credit Hours**

120

**CORE Requirements (General Education)**

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<th>Credit Hours</th>
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<td>TRANSFER SUCCESS 101</td>
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**Communication Requirement**

<table>
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<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
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</tbody>
</table>

**Ideas Across Disciplines**

3 credits in coursework categorized as Ideas.

**Humanities and Fine and Performing Arts**

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies

**Mathematics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above) 1</td>
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</tbody>
</table>

**Science**

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)

7-8

**Social Sciences**

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies

9

**Experiential Learning**

6 credits from coursework categorized as Experiential Learning.

6

**Total Credit Hours**

47-48

Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
• Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
• Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
• Students may transfer in no more than 70 credit hours from community colleges.
• Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
• Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
• Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS).

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>3</td>
<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>IDEAS ACROSS DI</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>3</td>
<td>Social Science #1</td>
<td>3</td>
</tr>
<tr>
<td>Intro AFS course</td>
<td>3</td>
<td>Humanities #1</td>
<td>3</td>
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<tr>
<td>BIOL 111 or 112</td>
<td>4</td>
<td>Physical Science</td>
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</tr>
<tr>
<td>General Elective</td>
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<tr>
<td><strong>Total Credit Hours</strong></td>
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<td><strong>Total Credit Hours</strong></td>
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### Year 2

<table>
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<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Intro AFS course</td>
<td>3</td>
<td>Intro AFS course</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Science #2</td>
<td>3</td>
<td>Social Science #3</td>
<td>3</td>
</tr>
<tr>
<td>Humanities #2</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Humanities #3</td>
<td>3</td>
<td>General Elective</td>
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<tr>
<td><strong>Total Credit Hours</strong></td>
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<td><strong>Total Credit Hours</strong></td>
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### Year 3

<table>
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<th>Credit Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>AFS 317</td>
<td>3</td>
<td>AFS 318</td>
<td>3</td>
</tr>
<tr>
<td>African Studies course</td>
<td>3</td>
<td>African Studies course</td>
<td>3</td>
</tr>
<tr>
<td>EXPERIENTIAL LEARNING #1</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
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<td><strong>Total Credit Hours</strong></td>
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### Year 4

<table>
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<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>AFS 381</td>
<td>3</td>
<td>AFS 327</td>
<td>3</td>
</tr>
<tr>
<td>African Studies course</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

### Biochemistry, BS

The BS degree in Biochemistry provides thorough training in the fundamental principles and experimental techniques of chemistry and biology as they apply to biological systems, and emphasizes the interdisciplinary nature of these sciences. This program prepares students for a wide variety of careers, including biological, chemical, or biochemical research, secondary education teaching, or employment in the health sciences, government, or industry. The Biochemistry major may lead to work in interdisciplinary sciences such as biotechnology, forensics, environmental science, or pharmacology, and it is well suited to the needs of students interested in pre-health professional programs, including pre-medical, pre-veterinary, and pre-pharmacy.

Biochemistry majors interested in teaching science at the elementary or secondary level should meet with an advisor early in their program to plan an appropriate course sequence. Biochemistry majors with strong academic backgrounds are encouraged to apply to the Roosevelt Honors Program.

### Standards

All courses applying to the biochemistry major, including required supporting courses, must be passed with a grade of C- or higher and a minimum cumulative GPA of 2.0.

### Requirements

- Courses applying to the Biochemistry major, including required supporting courses, must be taken on a letter grade basis.
- At least 25 credit hours of the required Biochemistry, Chemistry and/or Biology courses must be completed at Roosevelt University.
- All Biochemistry, Chemistry, and Biology courses must be taken within eight years of graduation to be accepted for credit without examination.
- Entering students with a score of at least 4 on the AP chemistry exam receive 3 credit hours of CHEM 1xx AP Chemistry credit and are waived from CHEM 201 GENERAL CHEMISTRY I. Students with a 3 on the AP chemistry exam receive 3 credit hours of CHEM 1xx AP Chemistry credit and satisfy the physical science general education lecture requirement.
- B.S. Biochemistry majors may not minor in either biology or chemistry. A mathematics minor is encouraged, but no minor is required.
### Biology Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (3 credit hour lecture, 2 credit hour lab)</td>
<td>15</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (3 credit hour lecture, 2 credit hour lab)</td>
<td></td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY (3 credit hour lecture, 2 credit hour lab)</td>
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### Chemistry Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (3 credit hour lecture, 2 credit hour lab)</td>
<td>25</td>
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<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (3 credit hour lecture, 2 credit hour lab)</td>
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</tr>
<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I (3 credit hour lecture, 2 credit hour lab)</td>
<td></td>
</tr>
<tr>
<td>CHEM 212</td>
<td>ORGANIC CHEMISTRY II (3 credit hour lecture, 2 credit hour lab)</td>
<td></td>
</tr>
<tr>
<td>CHEM 237</td>
<td>QUANTITATIVE ENVIRONMENTAL ANALYSIS (3 credit hour lecture, 2 credit hour lab)</td>
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</table>

### Biochemistry Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BCHM 355</td>
<td>BIOCHEMISTRY (3 credit hour lecture)</td>
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<tr>
<td>BCHM 356</td>
<td>EXPERIMENTAL METHODS IN BIOCHEMISTRY &amp; BIOTECHNOLOGY (3 credit hour lecture and lab)</td>
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<tr>
<td>BCHM 357</td>
<td>ADVANCED BIOCHEMISTRY (3 credit hour lecture)</td>
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</tr>
<tr>
<td>BCHM 393</td>
<td>BIOCHEMISTRY SEMINAR (1 credit hour seminar)</td>
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### Physical Chemistry Core

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<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BCHM 320</td>
<td>PHYSICAL CHEMISTRY FOR BIOSCIENCE (3 credit hour lecture)</td>
<td>3</td>
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</table>

### Advanced electives

At least two additional BCHM, BIOL or CHEM courses, including at least two disciplines and at least one laboratory. Up to 3 credit hours of CHEM, BIOL or BCHM research may be applied to this requirement.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 3XX</td>
<td>Advanced biology elective, above BIOL 301</td>
<td>8-10</td>
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<tr>
<td>CHEM 3XX</td>
<td>Advanced chemistry elective, 300 level</td>
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</tr>
<tr>
<td>BCHM 3XX</td>
<td>Advanced biochemistry elective, 300 level</td>
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### Supporting Sequence

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MATH 122</td>
<td>TRIGONOMETRY AND PRECALCULUS</td>
<td>26</td>
</tr>
<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
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<tr>
<td>MATH 231</td>
<td>CALCULUS I (5 credit hours)</td>
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<tr>
<td>MATH 232</td>
<td>CALCULUS II (5 credit hours)</td>
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</tr>
<tr>
<td>PHYS 201</td>
<td>INTRODUCTION TO NON-CALCULUS BASED PHYSICS I (4 credit hours)</td>
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</tr>
<tr>
<td>PHYS 202</td>
<td>INTRO TO NON-CALCULUS PHYSICS II (4 credit hours)</td>
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<tr>
<td>PHYS 233</td>
<td>CALCULUS-BASED PHYSICS I DISCUSSION (1 credit hours)</td>
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<tr>
<td>PHYS 234</td>
<td>CALCULUS-BASED PHYSICS II DISCUSSION (1 credit hours)</td>
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<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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</tr>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above)</td>
<td>3</td>
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</tbody>
</table>

### Social Sciences

See College of Arts & Sciences General Education Requirements below, as well as footnotes 3-5
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies

Experiential Learning
6 credits from coursework categorized as Experiential Learning.

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>1 Ideas Across Disciplines</td>
<td>3</td>
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</tr>
<tr>
<td>CHEM 201</td>
<td>5 BIOL 201</td>
<td>5</td>
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<tr>
<td>MATH 121</td>
<td>3 CHEM 202</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>3 ENG 102</td>
<td>3</td>
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</tr>
<tr>
<td>Social Science Course #1</td>
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15 16

### Year 2

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<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 202</td>
<td>5 BIOL 301</td>
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<td>CHEM 211</td>
<td>5 CHEM 212</td>
<td>5</td>
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<tr>
<td>MATH 217</td>
<td>3 MATH 122</td>
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<tr>
<td>Humanities Course #1</td>
<td>3 Social Science Course #2</td>
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16 16

### Year 3

<table>
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<td>BCHM 355</td>
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<td>3 BCHM 393</td>
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<td>5 MATH 232</td>
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<td>MATH 231</td>
<td>5 Humanities Course #2</td>
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<td></td>
</tr>
<tr>
<td>Experiential Learning Course #1</td>
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### Year 4

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PHYS 201</td>
<td>4 PHYS 202</td>
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<td></td>
</tr>
<tr>
<td>PHYS 233</td>
<td>1 PHYS 234</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>BIOL 3XX, CHEM 3XX, or BCHM 3XX</td>
<td>3 BCHM 320</td>
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<tr>
<td>BIOL 3XX, CHEM 3XX, or BCHM 3XX</td>
<td>3 COMM 101</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Experiential Learning Course #2</td>
<td>3 Social Science Course #3</td>
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</tr>
<tr>
<td>Humanities Course #3</td>
<td>3</td>
<td></td>
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</tbody>
</table>

14 17

Total Credit Hours 125

1 Or any other course at the 300 level within the discipline except BIOL 301.

2 Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement.

### Biology, BA

Biology offers courses in the life sciences designed to teach students biological concepts and principles with emphasis on individual laboratory experiences. The curriculum provides a sound basis for professional training in biology, biotechnology, medicine, dentistry, veterinary medicine, allied health, and teaching, as well as for general science education. Biology and Allied Health majors with strong academic backgrounds are encouraged to apply to the Roosevelt Honors Program, the honors curriculum of the university.

See the Allied Health program listing for degree programs leading to clinical licensing for fields such as Diagnostic Medical Sonography, Histotechnology, Medical Technology, Nuclear Medicine Technology, Radiography, and Radiation Therapy Technology.

The BA in Biology is an option for students who wish an in-depth humanistic education in biology without completing all of the science and mathematics courses required for the BS in biology. The biology BA allows the flexibility for students to fashion a customized undergraduate experience, for example, completing a double-major or multiple minors. On the other hand, while a BS degree is not as flexible as a BA, in some respects a BS can be more focused on the development of deeper skills within the major subject areas. The choice of biology degree should be
made according to how the specific characteristics of the degree fit the student's aptitude and career goals, and how the student wishes to utilize the undergraduate experience to meet his or her educational objectives.

Standards

Courses taken for the major must be taken on a letter grade basis.

Requirements

Requirements for the BA degree include 30 credit hours of acceptable credits in biology and at least one 300-level laboratory course beyond BIOL 301 CELLULAR & MOLECULAR BIOLOGY. Students must also complete three courses that cover interdisciplinary topics within the sciences or between the sciences and other disciplines. Students must take at least one class in each of the following six competencies: Applying the Process of Science, Quantitative Reasoning, Modeling and Simulation, Interdisciplinary, Communication and Collaboration, and Science and Society. These competencies can be fulfilled by either biology electives or the three outside electives identified in the course list below. Courses may cover up to two competencies.

- Students must complete the final 30 credit hours of their degree at Roosevelt University; off-site allied health courses do not count towards this requirement.
- At least 20 credit hours in acceptable biology, chemistry, or physics courses must be successfully completed at Roosevelt University; no more than 15 credit hours of acceptable biology courses may be taken completed elsewhere and applied to the BA biology degree.
- Following enrollment, completion of all remaining biology, chemistry, physics and mathematics course requirements for Biology degrees must be accomplished at Roosevelt University. Under special circumstances, written permission to take required courses elsewhere may be granted by Biology advisors.
- Courses in biology must have been taken within the last eight years to be accepted for graduation.
- No more than six credit hours total of independent study (BIOL 395 INDEPENDENT STUDY), (BIOL 392 RESEARCH IN BIOLOGY), and internships (BIOL 391 MEDICAL INTERNSHIP, BIOL 393 VETERINARY INTERNSHIP or BIOL 396 BIOLOGY INTERNSHIP) in biology may be used to fulfill the requirements of the major.
- Technical and/or clinical courses are not acceptable for transfer credit.
- AP biology credit with a score of 3.0 or higher may apply toward the major in biology or the general education requirements, after consultation with an advisor.
- AP chemistry credit with a score of 4 or higher satisfies the requirements for CHEM 201 with lab.
- At least one biology course with a laboratory above BIOL 301 CELLULAR & MOLECULAR BIOLOGY (not including independent research).
- A grade of C- is the minimal acceptable grade for a course to be applied to the major and the supporting sequence, or to be acceptable as a prerequisite for subsequent courses.
- A minimum GPA of 2.0 is required for all courses in the major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>5</td>
</tr>
</tbody>
</table>

Biology Electives

Select additional biology electives to bring total to a minimum of 30 semester hours. These courses in combination with the major electives must cover all six core competency areas. Courses may cover up to two competency areas.

<table>
<thead>
<tr>
<th>Area 1 Applying the Process of Science</th>
<th>Select one course from this list:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 123 ANATOMY &amp; PHYSIOLOGY I</td>
<td></td>
</tr>
<tr>
<td>BIOL 124 ANATOMY &amp; PHYSIOLOGY II</td>
<td></td>
</tr>
<tr>
<td>BIOL 221 KINESIOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 314 QUANTITATIVE ECOLOGY AND CONSERVATION</td>
<td></td>
</tr>
<tr>
<td>BIOL 322 BOTANY</td>
<td></td>
</tr>
<tr>
<td>BIOL 339 EVOLUTIONARY PHYSIOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 351 GENERAL GENETICS (Lecture)</td>
<td></td>
</tr>
<tr>
<td>BIOL 360 MICROBIOLOGY (Lab)</td>
<td></td>
</tr>
<tr>
<td>BIOL 367 IMMUNOLOGY (Lab)</td>
<td></td>
</tr>
<tr>
<td>BIOL 369 CONSERVATION BIOLOGY: AFRICA</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Area 2: Quantitative Reasoning</th>
<th>Select one course from this list:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCHM 344 BIOINORGANIC CHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>BCHM 356 EXPERIMENTAL METHODS IN BIOCHEMISTRY &amp; BIOTECHNOLOGY</td>
<td></td>
</tr>
<tr>
<td>BCHM 357 ADVANCED BIOCHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>BIOL 242 ANIMAL BEHAVIOR</td>
<td></td>
</tr>
<tr>
<td>BIOL 302 DIVERSITY AND EVOLUTION</td>
<td></td>
</tr>
<tr>
<td>BIOL 314 QUANTITATIVE ECOLOGY AND CONSERVATION</td>
<td></td>
</tr>
<tr>
<td>BIOL 315 ECOLOGY (Lab)</td>
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<tr>
<td>BIOL 324 MARINE BIOLOGY</td>
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</tr>
<tr>
<td>BIOL 351 GENERAL GENETICS (Lecture)</td>
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<tr>
<td>BIOL 381 BIOLOGY OF BIRDS: ORNITHOLOGY</td>
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</table>

<table>
<thead>
<tr>
<th>Area 3: Modeling and Simulation</th>
<th>Select one course from this list or Modeling and Simulation outside of BIOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 242 ANIMAL BEHAVIOR</td>
<td></td>
</tr>
<tr>
<td>BCHM 355 BIOCHEMISTRY</td>
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</table>

<table>
<thead>
<tr>
<th>Area 4: Interdisciplinary</th>
<th>Select one course from this list or Interdisciplinary outside BCHM/BIOL</th>
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<tbody>
<tr>
<td>BCHM 344 BIOINORGANIC CHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>BCHM 355 BIOCHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>BCHM 356 EXPERIMENTAL METHODS IN BIOCHEMISTRY &amp; BIOTECHNOLOGY</td>
<td></td>
</tr>
</tbody>
</table>
**Area 5: Communication and Collaboration**

Select one course from this list:

- BIOL 123 ANATOMY & PHYSIOLOGY I
- BIOL 124 ANATOMY & PHYSIOLOGY II
- BIOL 339 EVOLUTIONARY PHYSIOLOGY
- BIOL 351 GENERAL GENETICS (Lab)
- BIOL 360 MICROBIOLOGY (Lecture)
- BIOL 366 ECOL & EVOL OF MICRO ORG
- BIOL 367 IMMUNOLOGY ( Lecture)
- BIOL 371 THE BIOLOGY OF AGING

**Area 6: Science and Society**

Select one course from this list or Science and Society outside BIOL:

- BIOL 315 ECOLOGY (Lecture)
- BIOL 322 BOTANY
- BIOL 323 TROPICAL MARINE BIOLOGY
- BIOL 324 MARINE BIOLOGY
- BIOL 337 NUTRITION IN AMERICA
- BIOL 350 CANCER BIOLOGY
- BIOL 366 ECOL & EVOL OF MICRO ORG
- BIOL 369 CONSERVATION BIOLOGY: AFRICA
- BIOL 367 IMMUNOLOGY ( Lecture)

Any of the following courses can be taken as general electives to reach the required 30 credit hours in the Biology major:

- BIOL 221 KINESIOLOGY
- BIOL 302 DIVERSITY AND EVOLUTION
- BIOL 304 HISTOLOGY & ULTRASTRUCTURE
- BIOL 332 ECOLOGY OF TALLGRASS PRAIRIE
- BIOL 336 INTRODUCTION TO NEUROSCIENCE
- BIOL 344 MAMMALOGY
- BIOL 383 SPECIAL TOPICS IN BIOLOGY
- BIOL 391 MEDICAL INTERNSHIP
- BIOL 392 RESEARCH IN BIOLOGY
- BIOL 395 INDEPENDENT STUDY

**Major Electives outside of BIOL (take 3)**

Any of the following courses can be taken as general electives to reach the required 30 credit hours in the Biology major:

- MATH 307 DIFFERENTIAL EQUATION/ MODELING
- MATH 323 COOPERATION AND COMPETITION -- GAME THEORY AND APPLICATIONS
- CST 310 GAME THEORY AND APPLICATIONS

**Area 3: Modeling and Simulation**

**Area 4: Interdisciplinary**

- CHEM 212 ORGANIC CHEMISTRY II
- MATH 231 CALCULUS I
- MATH 232 CALCULUS II

**Area 6: Science and Society**

- HIST 301 HISTORY OF PUBLIC HEALTH
- HIST 348 SOCIAL & CULTURAL HISTORY OF MEDICINE 1500-PRESENT
- MATH 316 HISTORY OF MATHEMATICS
- PHIL 230 ETHICS
- PHIL 330 PHILOSOPHY OF NATURE
- PHIL 331 PHILOSOPHY OF TECHNOLOGY
- POS 250B URBAN ENVIRONMENTAL JUSTICE
- POS 250C PUBLIC HEALTH ISSUES & IDEAS
- POS 326 FOOD JUSTICE: FOOD POLICY IN US
- POS 347 ENVIRONMENTAL POLITICS
- POS 348 POLITICS OF CLIMATE CHANGE
- POS 349 POLITICS OF CONSERVATION
- PSYC 285 RESEARCH METHODS
- PSYC 325 SENSATION AND PERCEPTION
- PSYC 336 BRAIN AND BEHAVIOR
- PSYC 350 HUMAN NEUROPSYCHOLOGY
- SOC 360 THE BODY
- SUST 220 WATER
- SUST 230 FOOD
- SUST 310 ENERGY AND CLIMATE CHANGE
- SUST 330 BIODIVERSITY
- SUST 360 WRITING URBAN NATURE
- SUST 361 URBAN ECOLOGY

**General Education, University Writing Requirement, and Electives**

Courses to total 120  
60-54

Total Credit Hours  
120

1. Must be selected in consultation with an advisor.
2. Student must take three total courses from these electives but these courses can be from any of the listed competencies. The six competencies can be fulfilled by either biology electives or the three outside electives identified in the course list.

**CORE Requirements (General Education)**

**First Year Success Course or Transfer Success Course**

- FYS 101 FIRST YEAR SUCCESS COURSE
- or TRS 101 TRANSFER SUCCESS 101

**Communication Requirement**

- ENG 101 COMPOSITION I: CRITICAL READING & WRITING  
- ENG 102 COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH
- COMM 101 PUBLIC SPEAKING (or program specific CORE communications course)

**Ideas Across Disciplines**

3 credits in coursework categorized as Ideas.

**Humanities and Fine and Performing Arts**
9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women’s and Gender Studies

Mathematics
MATH 110 QUANTITATIVE LITERACY (or above) 1 3

Science
One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

Social Sciences
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies

Experiential Learning
6 credits from coursework categorized as Experiential Learning. 6

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

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<th>Year 1</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<td>FYS 101</td>
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<td>Ideas Across Disciplines</td>
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<tr>
<td></td>
<td>ENG 101</td>
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<td>ENG 102</td>
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<td></td>
<td>MATH 121</td>
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<td>BIOL 201</td>
<td>5</td>
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<tr>
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<td>CHEM 201</td>
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<td>CHEM 202</td>
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<tr>
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<td>BIOL 301</td>
<td>5</td>
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<td>MATH 217</td>
<td>3</td>
<td>Social Science #2</td>
<td>3</td>
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<td></td>
<td>CHEM 210 or 211</td>
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<td>Humanities #2</td>
<td>3</td>
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<tr>
<td></td>
<td>Social Science #1</td>
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<td>Major Elective outside of BIOL #1</td>
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<tr>
<td></td>
<td>BIOL 3XX with Lab #1</td>
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<td>Biology Elective</td>
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<td>Major Elective outside of BIOL #2</td>
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<td>Major Elective outside of BIOL #3</td>
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<td>Social Science #3</td>
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<td>COMM 101</td>
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<td>General Elective</td>
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<td>General Elective</td>
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<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Experiential Learning #1</td>
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<td>Experiential Learning #2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Biology Elective</td>
<td>3</td>
<td>Biology Elective</td>
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</tr>
<tr>
<td></td>
<td>Biology Elective</td>
<td>3</td>
<td>General Elective</td>
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<tr>
<td></td>
<td>General Elective</td>
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<td>General Elective</td>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Total</td>
<td>120</td>
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</tbody>
</table>

1 Or course towards an optional Minor.
2 Any course at the 300 level within the discipline above BIOL 301.
3 Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement.

**Biology, BS**

Biology offers courses in the life sciences designed to teach students biological concepts and principles with emphasis on individual laboratory experiences. The curriculum provides a sound basis for professional training in biology, biotechnology, medicine, dentistry, veterinary medicine, allied health, and teaching, as well as for general science education. Biology and Allied Health majors with strong academic backgrounds are encouraged to apply to the Roosevelt Honors Program, the honors curriculum of the university.

See the Allied Health program listing for degree programs leading to clinical licensing for fields such as Diagnostic Medical Sonography, Histotechnology, Medical Technology, Nuclear Medicine Technology, Radiography, and Radiation Therapy Technology.

The BS in Biology prepares students for jobs in the biotechnology industry, including pharmaceutical companies, university research
laboratories, medical research centers, forensic laboratories, museums and government agencies such as the EPA, OSHA, FDA, IDNR, and the Department of Agriculture. It also prepares students to teach biology at the secondary level and for admission to graduate health professional programs such as medical, dental, veterinary and optometry schools, physician assistant, physical therapy, and nurse practitioner training, and graduate programs in the life sciences. All students considering the BS in Biology should consult an advisor in the Department of Biological, Chemical, and Physical Sciences.

Students who plan to teach biology in secondary school may qualify for Roosevelt University’s recommendation to the Illinois State Board of Education for teacher certification. This program provides biology majors with the flexibility to teach mathematics and general science as well as biology in grades 6-12. Application for admission to the program must be made to the College of Education before the student begins the senior year (less than 90 credit hours completed). Requirements are listed under secondary teacher education. Students interested in this option should see an advisor in the College of Education for specific course selections.

**Standards**
Courses taken for the major or minor must be taken on a letter grade basis.

**Requirements**

- Students must complete the final 30 credit hours of their degree at Roosevelt University.
- A total of 35 credit hours of acceptable biology courses are required for the B.S. Students must take at least one class in each of the following six competencies: Applying the Process of Science, Quantitative Reasoning, Modeling and Simulation, Interdisciplinary, Communication and Collaboration, and Science and Society. Courses that fulfill these competencies can be found in the course list below. Courses may cover up to two competency areas.
- At least 20 credit hours in acceptable biology, chemistry, and physics courses must be taken at Roosevelt University; not more than 15 credit hours of acceptable biology courses may be completed elsewhere and applied to the BS biology degree.
- Following enrollment, completion of all remaining biology, chemistry, physics and mathematics course requirements for Biology degrees must be accomplished at Roosevelt University. Under special circumstances, written permission to take required courses elsewhere may be granted by biology advisors.
- Courses in biology must have been taken within the past eight years to be accepted for prerequisites and graduation.
- No more than six credit hours total of independent study (BIOL 395 INDEPENDENT STUDY), (BIOL 392 RESEARCH IN BIOLOGY), and internships (BIOL 391 MEDICAL INTERNSHIP, BIOL 393 VETERINARY INTERNSHIP or BIOL 396 BIOLOGY INTERNSHIP) in biology may be used to fulfill the requirements of the major.
- Technical and/or clinical courses are not acceptable for transfer credit.
- AP biology credit with a score of 3.0 or higher may apply toward the major in biology or the general education requirements after consultation with an advisor.
- AP chemistry with a score of 4 or 5 satisfies the requirements for CHEM 201 with lab.
- For AP physics credit, consult an advisor.
- At least one biology course with a laboratory above BIOL 301 CELLULAR & MOLECULAR BIOLOGY (not including independent research) must be passed with a grade of C- or better.
- A grade of C- is the minimal acceptable grade for a course to be applied to the major and the supporting sequence, or to be acceptable as a prerequisite for subsequent courses.
- A minimum cumulative GPA of 2.0 is required for all course in the major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
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<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 212</td>
<td>ORGANIC CHEMISTRY II (with lab)</td>
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<td>MATH 121</td>
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<td>MATH 122</td>
<td>TRIGONOMETRY AND PRECALCULUS</td>
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<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
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<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
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<tr>
<td>MATH 232</td>
<td>CALCULUS II</td>
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<tr>
<td>PHYS 201</td>
<td>INTRODUCTION TO NON-CALCULUS PHYSICS I (with lab)</td>
<td>4</td>
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<td>PHYS 202</td>
<td>INTO NON-CALCULUS PHYSICS II (with lab)</td>
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<tr>
<td>PHYS 233</td>
<td>CALCULUS-BASED PHYSICS I DISCUSSION</td>
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<td>PHYS 234</td>
<td>CALCULUS-BASED PHYSICS II DISCUSSION</td>
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</tbody>
</table>

**ELECTIVES**

Select additional biology electives to bring total biology credits to a minimum of 35 credit hours. These courses must cover all six core competency areas. Courses may cover up to two competency areas.

**Area 1: Applying the Process of Science**

Select one course from this list:

<table>
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<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOL 123</td>
<td>ANATOMY &amp; PHYSIOLOGY I</td>
</tr>
<tr>
<td>BIOL 124</td>
<td>ANATOMY &amp; PHYSIOLOGY II</td>
</tr>
<tr>
<td>BIOL 242</td>
<td>ANIMAL BEHAVIOR</td>
</tr>
<tr>
<td>BIOL 314</td>
<td>QUANTITATIVE ECOLOGY AND CONSERVATION</td>
</tr>
<tr>
<td>BIOL 322</td>
<td>BOTANY</td>
</tr>
<tr>
<td>BIOL 339</td>
<td>EVOLUTIONARY PHYSIOLOGY</td>
</tr>
<tr>
<td>BIOL 351</td>
<td>GENERAL GENETICS (Lecture)</td>
</tr>
<tr>
<td>BIOL 360</td>
<td>MICROBIOLOGY (Lab)</td>
</tr>
<tr>
<td>BIOL 367</td>
<td>IMMUNOLOGY (Lab)</td>
</tr>
<tr>
<td>BIOL 369</td>
<td>CONSERVATION BIOLOGY: AFRICA</td>
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**Area 2: Quantitative Reasoning**

Select one course from this list:

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>BCHM 344</td>
<td>BIOINORGANIC CHEMISTRY</td>
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</table>

Select one course from this list:
Area 3: Modeling and Simulation
Select one course from this list:
- BIOL 242 ANIMAL BEHAVIOR
- BCHM 355 BIOCHEMISTRY

Area 4: Interdisciplinary
Select one course from this list:
- BCHM 344 BIOINORGANIC CHEMISTRY
- BCHM 355 BIOCHEMISTRY
- BCHM 356 EXPERIMENTAL METHODS IN BIOCHEMISTRY & BIOTECHNOLOGY
- BCHM 357 ADVANCED BIOCHEMISTRY
- BIOL 315 ECOLOGY
- BIOL 337 NUTRITION IN AMERICA
- BIOL 350 CANCER BIOLOGY
- BIOL 360 MICROBIOLOGY (Lecture)
- BIOL 371 THE BIOLOGY OF AGING
- BIOL 381 BIOLOGY OF BIRDS: ORNITHOLOGY

Area 5: Communication and Collaboration
Select one course from this list:
- BIOL 123 ANATOMY & PHYSIOLOGY I
- BIOL 124 ANATOMY & PHYSIOLOGY II
- BIOL 339 EVOLUTIONARY PHYSIOLOGY
- BIOL 351 GENERAL GENETICS (Lab)
- BIOL 360 MICROBIOLOGY (Lecture)
- BIOL 367 IMMUNOLOGY (Lecture)
- BIOL 366 ECOL & EVOL OF MICRO ORG
- BIOL 371 THE BIOLOGY OF AGING

Area 6: Science and Society
Select one course from this list:
- BIOL 315 ECOLOGY
- BIOL 322 BOTANY
- BIOL 323 TROPICAL MARINE BIOLOGY
- BIOL 324 MARINE BIOLOGY
- BIOL 337 NUTRITION IN AMERICA
- BIOL 350 CANCER BIOLOGY
- BIOL 366 ECOL & EVOL OF MICRO ORG
- BIOL 369 CONSERVATION BIOLOGY: AFRICA
- BIOL 367 IMMUNOLOGY (Lecture)

General Electives
Any of the following courses can be taken as general electives to reach the required 35 credit hours in the Biology major
- BIOL 221 KINESIOLOGY
- BIOL 302 DIVERSITY AND EVOLUTION
- BIOL 304 HISTOLOGY & ULTRASTRUCTURE
- BIOL 332 ECOLOGY OF TALLGRASS PRAIRIE
- BIOL 336 INTRODUCTION TO NEUROSCIENCE
- BIOL 344 MAMMALOGY
- BIOL 383 SPECIAL TOPICS IN BIOLOGY
- BIOL 391 MEDICAL INTERNSHIP
- BIOL 392 RESEARCH IN BIOLOGY
- BIOL 395 INDEPENDENT STUDY

General Education, University Writing Requirement, and Electives
Courses to total 120
Total Credit Hours 121
1 Must be selected in consultation with an advisor; at least one 300-level laboratory course beyond BIOL 301 CELLULAR & MOLECULAR BIOLOGY

CORE Requirements (General Education)

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<td>TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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Communication Requirement

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<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
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Ideas Across Disciplines
3 credits in coursework categorized as Ideas.
9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies

Mathematics

<table>
<thead>
<tr>
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<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above) 1</td>
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</table>

Science
7-8 credits in coursework categorized as Science

Social Sciences
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies

Experiential Learning
6 credits from coursework categorized as Experiential Learning.

Total Credit Hours 47-48
1 Higher level of Math may be required by major
These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS).

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

**Year 1**

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<th>Fall</th>
<th>Credit Hours</th>
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<th>Credit Hours</th>
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<td>BIOL 201</td>
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<td>CHEM 201</td>
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<tr>
<td>MATH 121</td>
<td>3 Ideas across Disciplines</td>
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**Year 2**

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<td>MATH 122</td>
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<td>MATH 217</td>
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<td>COMM 101</td>
<td>3 Social Science #2</td>
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**Year 3**

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<td>BIOL 3XX with Lab</td>
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<td>BIOL Elective</td>
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<td>MATH 231</td>
<td>5</td>
<td>MATH 232</td>
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<td>Humanities #3</td>
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<td>Humanities #2</td>
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<td>Social Science #3</td>
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**Year 4**

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<td>BIOL Elective</td>
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<td>BIOL Elective</td>
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**Program Description**

The College of Arts and Sciences and the College of Pharmacy at Roosevelt University offer a dual acceptance program for the BS in Biology/PharmD Pharmacy program to eligible students. Students entering this program can earn both a bachelor’s and pharmacy doctorate in less time than earning these degrees separately would require.

### Benefits of the Dual Acceptance Program include:

- Solid liberal arts program as a pre-pharmacy student at Roosevelt University
- Sets out a clear road map for what courses to take and when.
- Admission to the PharmD program is guaranteed if all Pre-Pharmacy Requirements for Early Assurance are achieved*
- Pharmacy College Admission Test (PCAT) is waived for students who apply and complete the acceptance process through the early assurance program
- Opportunity to join student pharmacy organizations and open invitation to lectures, seminars and other special events sponsored by the College of Pharmacy

### Eligibility Requirements

High school seniors must meet the following criteria in order to be considered for admission into the Dual Acceptance Program:

- Possess a minimum high school GPA of 3.0 on a 4.0 scale* Rank in the top quartile on a college entrance exam:
  - ACT score of 25 or higher that includes a writing component score
  - SAT score of 1750 or higher that includes a writing component score
- Be admitted to Roosevelt University and apply to Dual Acceptance program **prior** to beginning of the freshman year at Roosevelt.
Roosevelt University Freshman must meet the following criteria in order to be considered for admission into the Dual Acceptance Program:

- Possess a minimum high school GPA of 3.0 on a 4.0 scale
- Rank in the top quartile on a college entrance exam:
  - ACT score of 25 or higher that includes a writing component score
  - SAT score of 1750 or higher that includes a writing component score
- Complete at least one term of courses at Roosevelt University, including at least one pre-requisite Biology or Chemistry course, and earn a minimum overall grade point average (GPA) of 3.0/4.0.

Admissions Process

Eligible high school seniors should first apply to the RU College of Arts and Sciences and indicate that they are interested in the pre-pharmacy curriculum. After acceptance into the RU College of Arts and Sciences undergraduate program, students will complete the Roosevelt University Dual Acceptance Application and submit it to the College of Pharmacy.

The Roosevelt University Dual Acceptance Application will be reviewed by the College of Pharmacy to determine if the applicant will be invited to participate in a Dual Acceptance Interview in the College of Pharmacy. Interviews will be conducted to evaluate verbal communication skills, understanding of the pharmacy profession, commitment to patient care, and other elements as determined by College of Pharmacy.

Following the dual acceptance interview, applicant files are forwarded to the Admissions Committee for review. The committee may recommend to accept or deny student admissions. Students accepted into the Dual Acceptance Program will work with an assigned advisor to monitor progress through the program. Accepted applicants will transition into a guaranteed seat at RU College of Pharmacy upon successful completion of the undergraduate Dual Acceptance Program/pre-pharmacy course work and fulfillment of the nine conditions for transition into the College of Pharmacy.

Dual Acceptance Program/Pre-Pharmacy Course Requirements

- Students cannot take summer or academic-year classes at a community college or other college/university.
- Some exceptions to the ‘Roosevelt University only’ rule may apply. For example: Recognized AP credit granted for work completed prior to beginning at Roosevelt University or other work approved in advance by both the College of Art & Sciences and the College of Pharmacy may be accepted.

### Dual Acceptance Program/Pre-Pharmacy Coursework

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 123</td>
<td>ANATOMY &amp; PHYSIOLOGY I</td>
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<tr>
<td>BIOL 124</td>
<td>ANATOMY &amp; PHYSIOLOGY II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 360</td>
<td>MICROBIOLOGY</td>
<td>5</td>
</tr>
<tr>
<td>or BIOL 367</td>
<td>IMMUNOLOGY</td>
<td></td>
</tr>
<tr>
<td>or BCHM 355</td>
<td>BIOCHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>or BCHM 356</td>
<td>EXPERIMENTAL METHODS IN BIOCHEMISTRY &amp;</td>
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<tr>
<td></td>
<td>BIOTECHNOLOGY</td>
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<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I</td>
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<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II</td>
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</tr>
<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I</td>
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</table>

### Requirements for Transition into College of Pharmacy

It is of utmost importance that students understand that all nine of the following conditions must be met to retain admission to College of Pharmacy for their respective summer session. Failure to meet any of the following requirements will result in the forfeiture of the student’s place in his/her respective pharmacy entering class.

**Condition #1**

All pre-pharmacy prerequisite courses must be completed at Roosevelt University within a three-year period. (All courses must be completed by end of spring just before transition into College of Pharmacy.)

**Condition #2**

A minimum cumulative grade point average (GPA) of 3.0 must be achieved and maintained. For a student to retain his/her place in the Dual Acceptance Program, the cumulative GPA must be a minimum of a 3.0 **by the end of the spring** of the student’s first and second pre-pharmacy year and at the end of all pre-pharmacy coursework. Only courses taken at Roosevelt University are to be used in the Dual Acceptance Program cumulative GPA calculation.

**Condition #3**

A minimum pre-pharmacy science grade point average (GPA) of 2.75 must be also achieved and maintained.

**Condition #4**

Student must earn a grade of C- or higher in all prerequisite courses.

**Condition #5**

Students are not permitted to repeat courses for a passing grade.

**Condition #6**

The PCAT exam will be waived for all program participants.
**Condition #7**

Students must participate in a standard pre-matriculation interview in the Fall term of the year prior to entering RUCOP. This interview is done to ensure continued interest in the dual acceptance program, ensure all appropriate coursework will be completed and to discuss of provisional admission requirements.

**Condition #8**

Once provisional admission is accepted, the student must pay the College of Pharmacy deposit by November 1 of the application cycle year in which the student will be enrolled in the College of Pharmacy.

**Condition #9**

All remaining admission requirements, including the successful outcome of a drug screening and criminal background check, must be completed.

In order to enhance their performance when later attending College of Pharmacy, students should consider these additional experiences:

- Reflect the successful practice of service through community engagement or extracurricular activities.
- Demonstrate the proper motivation for and commitment to the profession of pharmacy through previous work, volunteer or life experiences.
- Possess and practice the oral and written communication skills necessary to interact successfully with patients and colleagues.

**Progress Checks**

Dual Acceptance Program students should meet with Roosevelt University’s Dual Acceptance Program designee or their assigned academic advisor every semester. The designee monitors the progress of students and will advise College of Pharmacy of any students failing to meet the requirements.

Any student who fails to meet the program requirements, although the student will lose his/her guaranteed placement, will be encouraged to apply to College of Pharmacy via the traditional route (complete a PharmCAS application, submit PCAT scores, etc.). \*NOTE, the traditional application process is competitive, hence former Dual Acceptance Program students must compete for available seats and are not guaranteed admission via this route.

*Students who do not achieve all requirements remain eligible to apply for admission to the PharmD program at Roosevelt University without guaranteed admission.*

**Year 1**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FYS 101</td>
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**Year 2**

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**Year 3**

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**Professional Year 1 Courses**

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**Professional Year 2 Courses**

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</table>
Child and Family Studies Concentration

The Concentration in Child and Family Studies allows undergraduates to learn about child development from an interdisciplinary perspective, and addresses areas such as parenting, schooling, and the place of children and families in society.

Requirements

Four courses (12 credit hours) are required to earn a Concentration in Child and Family Studies. Students choose three electives from the list below, at least one of these must be at the 300 level. Because of the interdisciplinary nature of this concentration, students must choose at least one elective in an area/department outside of their major.

Only one elective class can be transferred from another institution. All courses must be passed with a grade of C- or higher. A minimum cumulative GPA of 2.0 is required for all courses in the concentration.

The fourth course is the capstone class (PSYC 398 FIELD PLACEMENT WITH CHILDREN) in which students complete a 72 hour service-learning placement in an organized setting that caters to children and families, e.g., school classrooms, child care facilities, after-school YMCA programs, pediatric health care settings. Early enrollment and instructor approval are required for this capstone class.

Computer Science, BS

The computer science program provides a strong foundation to prepare students for a career within the industry or future graduate study. Students in the program will have a broad understanding of the fundamental concepts, methodologies, tools, and applications of computer science. Through hands-on training in team projects, students will be ready to work in trending areas of computer science.

Requirements

To earn a BS in Computer Science, a student must complete a minimum of 120 semester hours including eight core courses, four major elective courses, a capstone course, four required math courses, and other general education requirements set by the university.

• Students must maintain a 2.0 GPA in the major, and must earn grades of C- or higher in all major coursework.
• At least 30 credit hours of credit must be taken at Roosevelt University, with at least 15 of these in the major.
• At least 60 credit hours in the natural sciences, mathematics, and/or psychology.
• Because of the rapidly changing nature of this field of study, computing courses taken more than eight years ago cannot be counted towards degree requirements unless the student has been continuously registered since the time the course was taken (excluding summers).

Total Credit Hours 120
Concentrations

Students can choose one of the following two optional concentrations (12 credit-hours) that will appear on their transcripts: select at least 4 from the listed courses for each concentration.

Data and Computation Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 309</td>
<td>DATA MINING</td>
<td>3</td>
</tr>
<tr>
<td>CST 310</td>
<td>GAME THEORY AND APPLICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>CST 311</td>
<td>ANALYSIS OF REAL WORLD NETWORKS</td>
<td>3</td>
</tr>
<tr>
<td>CST 337</td>
<td>THEORY OF COMPUTATION</td>
<td>3</td>
</tr>
<tr>
<td>CST 338</td>
<td>EFFICIENT COMPUTING</td>
<td>3</td>
</tr>
<tr>
<td>CST 355</td>
<td>CRYPTOGRAPHY</td>
<td>3</td>
</tr>
<tr>
<td>CST 381</td>
<td>INTELLIGENT SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>CST 386</td>
<td>INFORMATION RETRIEVAL</td>
<td>3</td>
</tr>
<tr>
<td>CST 387</td>
<td>ALGORITHM DESIGN</td>
<td>3</td>
</tr>
</tbody>
</table>

Computer Applications Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 301</td>
<td>COMPUTER NETWORKING</td>
<td>3</td>
</tr>
<tr>
<td>CST 318</td>
<td>INTRODUCTION TO UNIX</td>
<td>3</td>
</tr>
<tr>
<td>CST 343</td>
<td>O.O.P AND WEB SERVICES</td>
<td>3</td>
</tr>
<tr>
<td>CST 357</td>
<td>SYSTEMS PROGRAMMING</td>
<td>3</td>
</tr>
<tr>
<td>CST 359</td>
<td>INTRO TO COMPUTER SECURITY</td>
<td>3</td>
</tr>
<tr>
<td>CST 367</td>
<td>WEB-BASE DATABASE APPLICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>CST 369</td>
<td>SMARTPHONE APP DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>CST 376</td>
<td>DISTRIBUTED APPLICATIONS</td>
<td>3</td>
</tr>
</tbody>
</table>

Non-Concentration Option

Students who are not pursuing a concentration must select four CST 3XX-level elective courses. Of the electives within their major students can select at most two courses from other undergraduate programs offered by the department and/or from among CST 390 Special Topics, CST 394 Internship, and CST 395 Independent Study.

Capstone Course

Students in this major must complete a capstone course as part of the degree requirements. The capstone courses CST 378 and CST 399 will be non-individualized sections taught by a CST faculty member and organized into team projects. Each design team must complete a project assigned by the instructor with a grade of C- or better final grade, and each team will present their projects during final exams week.

CORE Requirements (General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
</tbody>
</table>

Communication Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Ideas Across Disciplines

3 credits in coursework categorized as Ideas.

Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women’s and Gender Studies

Mathematics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above)</td>
<td>3</td>
</tr>
</tbody>
</table>

Science

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)

Social Sciences

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies

Experiential Learning

6 credits from coursework categorized as Experiential Learning.

Total Credit Hours

47-48

Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>3</td>
<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>MATH 217</td>
<td>3</td>
</tr>
</tbody>
</table>
The Criminal Justice major is divided into three components: a lower division 15 credit hour core that covers fundamentals and is consistent with Illinois Articulation Initiative (IAI) guidelines; an upper division 18 credit hour core requirement; and six credit hours of elective requirements. The major includes a capstone senior seminar course designed to identify and analyze real-life issues facing criminal justice agencies, as well as techniques for developing and proposing solutions to constituents.

Requirements

The major is divided into three components: a lower division 15 credit hour core that serves as a basis for the fundamentals of criminal justice and is consistent with Illinois Articulation Initiative (IAI) guidelines; an upper division 18 credit hour core requirement; and a six credit hour criminal justice elective component. The major includes a capstone course designed to identify and analyze real-life issues facing criminal justice agencies, as well as techniques for developing and proposing solutions to constituents.

Grade of C- or higher required in all major courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Division Requirements (meets IAI guidelines)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C JL 200</td>
<td>INTRODUCTION TO CRIMINAL JUSTICE (IAI-CRJ901)</td>
<td>3</td>
</tr>
<tr>
<td>C JL 220</td>
<td>JUVENILE JUSTICE (IAI-CRJ914)</td>
<td>3</td>
</tr>
<tr>
<td>C JL 230</td>
<td>INTRODUCTION TO CORRECTIONS (IAI-CRJ911)</td>
<td>3</td>
</tr>
<tr>
<td>C JL 240</td>
<td>INTRODUCTION TO CRIMINOLOGY (IAI-CRJ912)</td>
<td>3</td>
</tr>
<tr>
<td>C JL 250</td>
<td>CRIMINAL LAW (IAI-CRJ913)</td>
<td>3</td>
</tr>
<tr>
<td>Upper Division Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C JL 300</td>
<td>POLICE &amp; SOCIETY</td>
<td>3</td>
</tr>
<tr>
<td>C JL 305</td>
<td>RESEARCH METHODS</td>
<td>3</td>
</tr>
<tr>
<td>C JL 310</td>
<td>ETHICS IN CRIMINAL JUSTICE</td>
<td>3</td>
</tr>
<tr>
<td>C JL 330</td>
<td>CRIMINAL JUSTICE &amp; THE CONSTITUTION</td>
<td>3</td>
</tr>
<tr>
<td>C JL 355</td>
<td>CRIME IN AMERICA</td>
<td>3</td>
</tr>
<tr>
<td>C JL 390</td>
<td>SENIOR SEMINAR</td>
<td>3</td>
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</tbody>
</table>

Electives

Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C JL 331</td>
<td>VICTIMOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>C JL 332</td>
<td>SERIAL AND MASS MURDER</td>
<td>3</td>
</tr>
<tr>
<td>C JL 333</td>
<td>WOMEN AND CRIME</td>
<td>3</td>
</tr>
<tr>
<td>C JL 365</td>
<td>WHITE COLLAR CRIME</td>
<td>3</td>
</tr>
<tr>
<td>C JL 381</td>
<td>DEATH PENALTY IN AMERICA</td>
<td>3</td>
</tr>
<tr>
<td>C JL 389</td>
<td>SPECIAL TOPICS</td>
<td>3</td>
</tr>
</tbody>
</table>

CORE General Education and Electives

Total Credit Hours 81

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORE Requirements (General Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Year Success Course or Transfer Success Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
</tbody>
</table>

Communication Requirement
### Ideas Across Disciplines

3 credits in coursework categorized as Ideas.

### Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies.

### Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above)</td>
<td>3</td>
</tr>
</tbody>
</table>

### Science

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors).

### Social Sciences

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies.

### Experiential Learning

6 credits from coursework categorized as Experiential Learning.

| Total Credit Hours | 47-48 |

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
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- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS).

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101</td>
<td>3 Ideas Across Disciplines</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CJL 200</td>
<td>3</td>
<td>CJL 220</td>
<td>3</td>
</tr>
<tr>
<td>Social Science #1</td>
<td>3</td>
<td>MATH 110</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 16          |

### Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJL 240</td>
<td>3</td>
<td>CJL 230</td>
<td>3</td>
</tr>
<tr>
<td>Humanities #2</td>
<td>3</td>
<td>CJL 250</td>
<td>3</td>
</tr>
<tr>
<td>Social Science #2</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>3</td>
<td>Humanities #3</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>Social Science #3</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 15          |

### Year 3

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJL 300</td>
<td>3</td>
<td>CJL 310</td>
<td>3</td>
</tr>
<tr>
<td>CJL 305</td>
<td>3</td>
<td>CJL 330</td>
<td>3</td>
</tr>
<tr>
<td>Experiential Learning #1</td>
<td>3</td>
<td>CJL 3XX</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 15          |

### Year 4

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJL 355</td>
<td>3</td>
<td>CJL 390</td>
<td>3</td>
</tr>
<tr>
<td>CJL 3XX</td>
<td>3 General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Experiential Learning #2</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>1</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 15          |

| Total Credit Hours | 120         |

1 Or course towards an optional Minor.
2 Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement.
3 Any course at the 300 level within the discipline.
4 One Natural Science course must have a lab.

### Cyber and Information Security, BS

The Roosevelt University Center for Cyber and Information Security is an NSA accredited Center of Academic Excellence in Cyber Defense and offers the Bachelor of Science in Cyber and Information Security Degree.

Students completing this program will have an understanding of the field of cyber security in its technical depth and also of the environments in which cyber defense activities take place. Students will learn how to collaborate, communicate, and work at all levels with the various stakeholders and decision makers of the corporate, government, and defense communities. Students will understand and be prepared to use the tools and techniques common to those environments.

Upon completion of the program, students will have a deep understanding of the profession and a solid preparedness to enter the workforce.
Students who meet all of the degree requirements will earn a diploma for their BS in Cyber and Information Security and an approved CAE-CD Certificate of Completion indicating their completion of a DHS/NSA approved program.

Prerequisites
Students planning to transfer in from other institutions should plan to take only prerequisite courses and the supporting sequence of major courses at those institutions.

There are several requirements unique to this major. To plan their program of study, students considering a Cyber and Information Security major should speak to an advisor from the Cyber and Information Security Center at their earliest opportunity.

Standards and Other Requirements
• Students must maintain a 2.0 GPA in the major, and must earn grades of C or higher in all major coursework.
• All courses in the major, except the supporting sequence courses, must be completed at Roosevelt University or another CAE-CD certified institution.
• Students must prove successful participation in each of the following: one cyber competition, one cyber community outreach activity, and one cyber research activity during their program of study.

Requirements
• All courses in the major, except the supporting sequence of major courses, must be completed at Roosevelt or at another CAE-CD certified institution.
• Students must maintain a 2.0 GPA in the major, and must earn grades of C or higher in all major coursework.
• At least 60 credit hours in the natural sciences, mathematics, and/or psychology.
• Students must prove successful completion in each of the following: one cyber competition, one cyber community outreach activity, and one cyber research activity during their program of study.
• Because of the rapidly changing nature of this field of study, computing courses taken more than eight years ago cannot be counted towards degree requirements unless the student has been continuously registered since the time the course was taken (excluding summers).

Required Math Course
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives
<table>
<thead>
<tr>
<th>Year Level</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>Major component courses</td>
<td>9</td>
</tr>
<tr>
<td>300</td>
<td>Courses from CSIA/CS/IT/DA/Math</td>
<td>12</td>
</tr>
</tbody>
</table>

Capstone
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIA 399</td>
<td>SENIOR PROJECT</td>
<td>3</td>
</tr>
</tbody>
</table>

General Education, University Writing Requirement, and Electives

CORE Requirements (General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
</tbody>
</table>

Communication Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>LIBS 201</td>
<td>WRITING SOCIAL JUSTICE (Transfer students with acceptable communication credit may be exempt from this requirement.)</td>
<td>3</td>
</tr>
</tbody>
</table>

Ideas Across Disciplines

<table>
<thead>
<tr>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 credits in coursework categorized as Ideas.</td>
<td>3</td>
</tr>
</tbody>
</table>

Humanities and Fine and Performing Arts

<table>
<thead>
<tr>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Speech and Women's and Gender Studies</td>
<td>9</td>
</tr>
</tbody>
</table>

Mathematics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above)</td>
<td>3</td>
</tr>
</tbody>
</table>

Science

<table>
<thead>
<tr>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)</td>
<td>7-8</td>
</tr>
</tbody>
</table>

Social Sciences

<table>
<thead>
<tr>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies</td>
<td>9</td>
</tr>
</tbody>
</table>

Experiential Learning

<table>
<thead>
<tr>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 credits from coursework categorized as Experiential Learning.</td>
<td>41-42</td>
</tr>
</tbody>
</table>

Total Credit Hours

These quantitative requirements also apply to degrees in the College of Arts and Sciences:

• Students must earn a minimum of 120 semester hours.
• Students may apply no more than 60 credit hours of 100-level courses toward the degree.
• Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
• Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
• Students may transfer in no more than 70 credit hours from community colleges.
• Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
• Students must have a grade point average of 2.0 or higher to graduate. Note that the Cyber and Information Security Major requires a B- average in the major.
• Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS).
• Students must have at least 18 credits in Math and Science courses not included in their general education or Major requirements.

You degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change although you retain the same course requirements as long as you are continuously enrolled in your degree program.

This degree map represents a guide to the coursework component of your degree. Students in the Cyber and Information Security major must work with a program advisor from the Cyber and Information Security Center to make sure the student understands and meets all of the requirements of this major prior to the student’s expected date of graduation.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change although you retain the same course requirements as long as you are continuously enrolled in your degree program.

This degree map represents a guide to the coursework component of your degree. Students in the Cyber and Information Security major must work with a program advisor from the Cyber and Information Security Center to make sure the student understands and meets all of the requirements of this major prior to the student’s expected date of graduation.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 121</td>
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<td>ENG 102</td>
<td>3</td>
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<td>FYS 101</td>
<td>1</td>
<td>MATH 217</td>
<td>3</td>
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<tr>
<td>ENG 101</td>
<td>3</td>
<td>CSIA 150</td>
<td>4</td>
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<tr>
<td>Social Science #1</td>
<td>3</td>
<td>Social Science #2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 111 or 112</td>
<td>4</td>
<td>Ideas Across Disciplines</td>
<td>3</td>
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<tr>
<td></td>
<td>14</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 101</td>
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<td>CSIA 261</td>
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<td>Physical Science¹</td>
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<td>CSIA 318</td>
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<td>CSIA 236 or 250</td>
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<td>Humanities #1</td>
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<td>General Elective</td>
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<table>
<thead>
<tr>
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<th>Fall</th>
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<th>Spring</th>
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<tr>
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<td>CSIA 355</td>
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<td>CSIA 317</td>
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<td>CSIA 3XX</td>
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<td>CSIA 333</td>
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<td>CSIA Program Elective³</td>
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</tbody>
</table>

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change although you retain the same course requirements as long as you are continuously enrolled in your degree program.

This degree map represents a guide to the coursework component of your degree. Students in the Cyber and Information Security major must work with a program advisor from the Cyber and Information Security Center to make sure the student understands and meets all of the requirements of this major prior to the student’s expected date of graduation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 150</td>
<td>COMPUTER SCIENCE I</td>
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</table>

Data Analytics, BS

The Data Analytics degree teaches students how to obtain, clean, process, explore, analyze, and interpret data and how to effectively communicate the results of this process. Data Mining and Machine Learning have combined to become a force for competitive advantage. This program covers a variety of computational and statistical methods designed for using data as an enterprise asset. We emphasize computational and statistical thinking, and we focus on model building, algorithms, their implementations and how to apply existing popular implementations to real datasets. We also study how to effectively and efficiently communicate the results of the analysis using data visualization techniques. Graduates are positioned to join this growing field in a variety of professions and industries.

All students considering the Data Analytics major are highly encouraged to discuss their academic plans with faculty within the program at their earliest opportunity, even while still working with admissions or general advising.

Requirements

• Students must maintain a 2.0 GPA in the major, and must earn grades of C- or higher in all major coursework.
• At least 30 credit hours of credit must be taken at Roosevelt University, with at least 15 of these in the major.
• At least 60 credit hours in the natural sciences, mathematics, and/or psychology.
• Because of the rapidly changing nature of this field of study, computing courses taken more than eight years ago cannot be counted towards degree requirements unless the student has been continuously registered since the time the course was taken (excluding summers).
CST 280  INTRODUCTION TO ALGORITHMS  3
CST 309  DATA MINING  3
CST 310  GAME THEORY AND APPLICATIONS  3
CST 311  ANALYSIS OF REAL WORLD NETWORKS  3
CST 333  DATABASE SYSTEMS  3
CST 381  INTELLIGENT SYSTEMS  3
CST 387  ALGORITHM DESIGN  3
MATH 349  REGRESSION & TIME SERIES  3

Electives
Select five major electives such as:

CST 312  BIG DATA  3
CST 380  PATTERN RECOGNITION  3
CST 390  SPECIAL TOPICS  3
MATH 347  PROBABILITY THEORY  3
MATH 367  FINANCIAL MATH  3

Note: No more than 6 Credit Hours from among CS 390 Special Topics, CS 394 Internship, and/or CS 395 Independent Study.

Required Math Courses
MATH 217  ELEMENTARY STATISTICS  3
MATH 231  CALCULUS I  5
MATH 245  DISCRETE STRUCTURES  3
MATH 246  LINEAR ALGEBRA  3

General Education, University Writing Requirement, and Electives
Courses to total 120  63
Total Credit Hours  120

For the required courses for a minor, see the corresponding department’s section of the catalog.

CORE Requirements (General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
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</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Ideas Across Disciplines
3 credits in coursework categorized as Ideas.  3

Humanities and Fine and Performing Arts
9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women’s and Gender Studies  9

Mathematics
MATH 110  QUANTITATIVE LITERACY (or above)  3

Science
One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)  7-8

Social Sciences
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies  9

Experiential Learning
6 credits from coursework categorized as Experiential Learning.  6

Total Credit Hours  47-48

1  Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

Year 1

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 3</td>
<td>ENG 102 3</td>
</tr>
<tr>
<td>FYS 101 1</td>
<td>CST 150 4</td>
</tr>
<tr>
<td>BIOL 111 or 112 4</td>
<td>Physical Science 3</td>
</tr>
<tr>
<td>MATH 121 3</td>
<td>Ideas Across Disciplines 3</td>
</tr>
<tr>
<td>Social Science #1</td>
<td>Humanities #1 3</td>
</tr>
<tr>
<td></td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Year 2

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 245 3</td>
<td>MATH 246 3</td>
</tr>
</tbody>
</table>
General Elective

CST 280
General Elective

Major Elective

Major Elective

Social Science #3

Humanities #2

General Elective

15

15

Year 3

Fall

Credit Hours

Spring

Credit Hours

CST 333

3

CST 311

3

CST 387

3

Major Elective

3

3XX

2

Major Elective

3

3XX

2

MATH 231

5

General Elective

1

1

Humanities #3

3

General Elective

1

1

17

15

Year 4

Fall

Credit Hours

Spring

Credit Hours

CST 309

3

CST 310

3

CST 381

3

Major Elective

3

3XX

2

MATH 349

3

Major Elective

3

3XX

2

General Elective

3

General Elective

3

3

General Elective

1

1

1

3

13

15

Total Credit Hours 120

1. Or course towards an optional Minor.
2. Major electives chosen with advisor.
3. Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement.
4. One Natural Science course must have a lab.

Diagnostic Medical Sonography, BS

Health care professions separate from nursing, medicine, and pharmacy provide a range of diagnostic, technical, therapeutic and direct patient care and support services that are critical to other health professionals they work with and the patients they serve.

The overall employment outlook for individuals with professional certifications varies, but is projected to be good to excellent by the U.S. Bureau of Labor Statistics. The BS degrees include Diagnostic Medical Sonography, Histotechnology, Medical Technology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography. These areas involve completing required course work at Roosevelt University, followed by clinical training at the appropriate affiliate clinical site. A separate application to the clinical training program is required, and acceptance is not guaranteed. Roosevelt University offers five programs with clinical training at Northwestern Memorial Hospital, Chicago (Diagnostic Medical Sonography, Histotechnology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography (https://clinicalschools.nm.org/)) and one program with clinical training at NorthShore Health Systems, Evanston (Medical Technology (https://www.northshore.org/academics/academic-programs/other-programs/medical-technology/)).

Requirements

Courses taken for the major must be taken on a letter grade basis. A grade of C- is the minimal acceptable grade for a course to be applied to the major, or to be acceptable as a prerequisite for subsequent courses. A minimum cumulative GPA of 2.0 is required for all courses in the major. However, it is important to note that the clinical affiliates have their own GPA requirements and may not accept grades of C- for certain required prerequisite courses.

Each of the areas of study has its own prerequisite courses and requirements. These programs require students to complete all required coursework before applying to the clinical affiliate. Students are not guaranteed admission into the clinical training portion of the degree. Students must make certain they are fully aware of each area’s specific acceptance requirements. Students interested in these health care careers should seek early guidance from the health coordinator in the Department of Biological, Physical, and Health Sciences.

Standards

- AP biology credit with a score of 3.0 or higher may apply toward the major in biology or the general education requirements after consultation with an advisor.
- AP chemistry with a score of 4 or higher satisfies the requirements for CHEM 201 GENERAL CHEMISTRY I with lab.
- AP Physics I (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab.
- AP Physics II (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab.
- AP Physics C: Mechanics with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab and PHYS 233 CALCULUS-BASED PHYSICS I DISCUSSION.
- AP Physics C: Electricity and Magnetism with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab and PHYS 234 CALCULUS-BASED PHYSICS II DISCUSSION.

In addition, students must:

- Take a minimum of their last 30 credit hours at Roosevelt University; off-site clinical courses count toward this requirement.
- Take at least 20 credit hours in acceptable Biology, Chemistry, or Physics courses at Roosevelt University; not more than 15 credit hours of acceptable Biology courses may be transferred to Roosevelt University and applied toward the BS degree.
- Once enrolled in the program, complete all remaining Biology, Chemistry, Physics, and Mathematics course requirements for these BS degrees at Roosevelt University. Under special circumstances, written permission to take required courses elsewhere may be granted by the health coordinator.
- Apply only courses in biology taken within the past eight years toward graduation.
- Limit to 4 credit hours the total of independent study hours (BIOL 395 INDEPENDENT STUDY/BCHM 395 INDEPENDENT STUDY/CHEM 395 INDEPENDENT STUDY/PHYS 395 INDEPENDENT STUDY) and independent research (BIOL 392 RESEARCH IN BIOLOGY/BCHM 392 RESEARCH IN BIOCHEMISTRY/CHEM 392)
RESEARCH IN CHEMISTRY/PHYS 392 RESEARCH IN PHYSICS) used to fulfill the requirements of the major.

The Diagnostic Medical Sonography curriculum is designed to provide the student with a comprehensive body of knowledge and the necessary skills expected of a competent diagnostic medical sonographer, also known as an ultrasound technologist. Diagnostic medical sonographers use high-frequency sound waves (ultrasound) to produce dynamic visual images of organs, tissues and blood flow inside the body. Sonographers work closely with physicians by providing diagnostic images and a summary of technical findings to aid in reaching a medical diagnosis. This is a non-radiation modality, and it may be used on any patient, from unborn babies to the elderly.

Sonographers may work in a hospital, a clinic, a physician's office, education, sales, or as an applications specialist. Students interested in allied health careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. This is a 3+1.5 program in which the first three years of course work is completed at Roosevelt University with the final year and a half completed at the clinical affiliate site, Northwestern Memorial Hospital Chicago.

Admission

Admission to clinical training is at the discretion of Northwestern Medicine. Students are not guaranteed admission. The minimum GPA for application for this program is a 2.5 GPA overall and a 2.5 GPA in the prerequisite courses. All applicants whose native language is not English must submit official TOEFL test scores by the application deadline to Northwestern Medicine. Clinical course enrollment is subject to the satisfactory completion of pre-clinical course work and admission to the clinical program. Please consult the Northwestern Medicine Clinical Schools website (https://clinicalschools.nm.org/) for specific information in regards to application and admission.

Requirements

Diagnostic Medical Sonography students complete a minimum of 73 credit hours of academic work, including the University Writing Requirement and the College of Arts and Sciences general education requirements, in addition to the Diagnostic Medical Sonography requirements outlined below. Students must take their final 30 credit hours before clinical training at Roosevelt University. They complete their last 47 credit hours in an 18-month, full-time, daytime clinical training program at Northwestern Memorial Hospital*.

Upon successful completion of the program, students are awarded a certificate of program completion for Diagnostic Medical Sonography (DMS) from the hospital and will be eligible to be certified through examination by the national certifying agency, the American Registry for Diagnostic Medical Sonography. Graduates of the school may also take the Sonography Principles and Instrumentation, Abdomen and OB/GYN examinations. Students will also earn a BS in Diagnostic Medical Sonography from Roosevelt University.

* Acceptance into the clinical training is not guaranteed and is at the discretion of the clinical site.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ALH 119</td>
<td>INTRODUCTION TO MEDICAL TERMINOLOGY</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 123</td>
<td>ANATOMY &amp; PHYSIOLOGY I (with lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

Clinical Courses for Diagnostic Medical Sonography

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ALH 280</td>
<td>FUNDAMENTALS OF SONOGRAPHY</td>
<td>3</td>
</tr>
<tr>
<td>ALH 281</td>
<td>MANAGEMENT &amp; METHODS OF PATIENT CARE</td>
<td>1</td>
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<tr>
<td>ALH 282</td>
<td>PATHOPHYSIOLOGY</td>
<td>2</td>
</tr>
<tr>
<td>ALH 283</td>
<td>SECTIONAL ANATOMY FOR THE SONOGRAPHER</td>
<td>2</td>
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<tr>
<td>ALH 284</td>
<td>ABDOMEN SONOGRAPHY WITH LAB</td>
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<tr>
<td>ALH 285</td>
<td>OB-GYN SONOGRAPHY WITH EMBRYOLOGY</td>
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<tr>
<td>ALH 286</td>
<td>CLINICAL EDUCATION I: SONOGRAPHY</td>
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<tr>
<td>ALH 305</td>
<td>ULTRASOUND IMAGE CRITIQUE</td>
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<tr>
<td>ALH 306</td>
<td>SPECIALITY SONOGRAPHY</td>
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<tr>
<td>ALH 307</td>
<td>PRINCIPLES OF ULTRASOUND PHYSICS I</td>
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<tr>
<td>ALH 308</td>
<td>PRINCIPLES OF ULTRASOUND PHYSICS II</td>
<td>3</td>
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<tr>
<td>ALH 309</td>
<td>OBSTETRICAL/GYNECOLOGICAL PATHOLOGY</td>
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</tr>
<tr>
<td>ALH 310</td>
<td>CLINICAL EDUCATION II</td>
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<td>ALH 311</td>
<td>ABDOMINAL PATHOLOGY</td>
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<td>ALH 326</td>
<td>CLINICAL EDUCATION II</td>
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<td>ALH 331</td>
<td>INTRODUCTION TO PEDIATRICS AND VASCULAR IMAGING</td>
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</tr>
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<td>ALH 332</td>
<td>CLINICAL EDUCATION IV WITH SPECIALTIES</td>
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<tr>
<td>ALH 343</td>
<td>REGISTRY REVIEW</td>
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General Education, University Writing Requirement, and Electives

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<th>Requirements</th>
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<td>Core requirements</td>
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<tr>
<td>Clinical requirements</td>
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<td>Total Credits for Degree</td>
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**CORE Requirements (General Education)**

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>FYS 101</td>
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</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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</tr>
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</table>

Communication Requirement
Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
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<tbody>
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#### Year 2

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#### Year 3

<table>
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#### Year 4

<table>
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### Professional Year 1 Courses

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<td></td>
<td>ALH 305 2</td>
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<td>ALH 306 2</td>
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<td>ALH 326 3</td>
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<td>ALH 331 1</td>
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<td></td>
<td>ALH 332 4</td>
</tr>
<tr>
<td></td>
<td>ALH 343 2</td>
</tr>
</tbody>
</table>

Total Credit Hours 132

1. Experiential Learning class must be 200/300 level and satisfies CORE requirement.
Economics, BA

"Drop everything and solve a world problem: Major in Economics," could well be the slogan of Roosevelt's Program in Economics. Our faculty are dedicated to using economics to address problems of unemployment, poverty, income and wealth inequality, social justice, global climate change, and inequality among nations, among others.

Economics affects almost everything that happens. Economics students explore the economy and how it works with a focus on issues of equality and equity as well as the more traditional emphasis on efficiency. Roosevelt is one of the few universities in the United States where students can study institutionalist, Post-Keynesian, and Marxist theories, as well as standard Neoclassical and Keynesian economics.

Course offerings regularly include courses addressing the market economy, the business cycle, financial crises, economic policy, theories of justice, political economy, international trade and development, the economics of women, contemporary labor problems, money and banking, the history of economics, applied economics, and econometrics.

Economics graduates typically pursue careers in public service, business, law, teaching, and research.

Students at Roosevelt analyze how the economy works in fresh and innovative ways. Students receive a broad–view of contemporary economics with special emphasis on pluralist and heterodox approaches to theory and policy. Students are challenged to be critical of existing institutions and seek new solutions to problems of economic justice, prosperity, poverty, and inequality. For students who are particularly interested in issues of social justice, the department provides the Social Justice Studies B.A. degree.

Studying Economics at Roosevelt not only helps students learn how to make the world a better place, it also helps students get better jobs. Economics majors make about 15% more than the average college graduate, and Economics is consistently ranked among the top 10 highest paid undergraduate majors.

Requirements

Majors must complete a minimum of 11 courses (33 credit hours) in Economics with grades of C- or higher, with an overall GPA of 2.0 or higher. At least 12 credit hours in Economics must be completed at Roosevelt University, 6 of which must be at the 300 level. MATH 110 QUANTITATIVE LITERACY or higher is a prerequisite for ECON 234 ELEMENTARY STATISTICS.

Electives

Select five economics electives, at least three of which must be at the 300 level.

General Education, University Writing Requirement, and Electives

<table>
<thead>
<tr>
<th>Courses to total 120</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Credit Hours</td>
<td>120</td>
</tr>
</tbody>
</table>

In addition to the five electives in Economics, majors are encouraged to select elective courses from such related fields as history, mathematics, philosophy, political science, psychology, sociology, and business administration. Majors intending to pursue graduate studies in Economics are urged to take ECON 346 INTRODUCTION TO ECONOMETRICS and obtain an adequate preparation in mathematics and statistics. Many courses are taught on a rotating basis. Students should consult an economics advisor and develop a long-range plan of study.

Internships

Economist internships at local government offices, social service agencies, non-profit organizations, and for-profit businesses are available, for credit, to assist students in career choice and development. Chicago is a dynamic city and major world center of finance, business, government, social activism, and philanthropy. Our internship course enables Economics students to get a foot in the door to the world of work and life after college.

Graduation with Distinction

Students desiring to graduate With Distinction in Economics must complete a minimum of 36 credit hours in economics with a grade point average of at least 3.75. The credit hours must include the six core courses and six additional courses approved by an Economics advisor.

CORE Requirements (General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>FY 101</td>
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<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific communications course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Ideas Across Disciplines

3 credits in coursework categorized as Ideas. 3

Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies

Mathematics

MATH 110 QUANTITATIVE LITERACY (or above) 1 3

Science

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

Social Sciences

1. ECON 102 or MATH 110 or ENG 101

Total Credit Hours

87
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies

### Experiential Learning

6 credits from coursework categorized as Experiential Learning.

| Total Credit Hours | 47-48 |

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may transfer in no more than 51 hours in the major (BA) or 57 hours in the major (BS).

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Year 1

#### Fall

<table>
<thead>
<tr>
<th>Code</th>
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<td>ENG 101</td>
<td>3 ENG 102</td>
<td>3</td>
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<td>MATH 110</td>
<td>3 IDEAS ACROSS DISCIPLINES</td>
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<td>BIOL 111 or 112</td>
<td>4 HUMANITIES #1</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>1 Social Science #1</td>
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#### Spring

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#### Fall

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<td>ECON 321</td>
<td>3 ECON 323</td>
<td>3</td>
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<tr>
<td>Humanities #2</td>
<td>3 SOCIAL SCIENCE</td>
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<tr>
<td>COMM 101</td>
<td>3 GENERAL ELECTIVE</td>
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#### Spring

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<th>Title</th>
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### Year 3

#### Fall

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<td>3 ECON 2XX or 3XX</td>
<td>3</td>
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<td>SOCIAL SCIENCE #1</td>
<td>3 EXPERIENTIAL LE</td>
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<tr>
<td>GENERAL ELECTIVE</td>
<td>3 GENERAL ELECTIVE</td>
<td>3</td>
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<tr>
<td>General Elective</td>
<td>3 GENERAL ELECTIVE</td>
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<tr>
<td>GENERAL ELECTIVE</td>
<td>3 GENERAL ELECTIVE</td>
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</table>

#### Spring

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
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### Year 4

#### Fall

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<td>ECON 3XX</td>
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<td>GENERAL ELECTIVE</td>
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#### Spring

<table>
<thead>
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<tbody>
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<td>16</td>
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</table>

Total Credit Hours 120

1 One Natural Science course must have a lab
2 Any course at the 200 level within the discipline.
3 Any course at the 300 level within the discipline.
4 Or course towards an optional Minor.
5 Experiential Learning class must be 200/300 level and satisfies CORE Experiential Learning requirement. ECON 360 (Internship in Economics) is recommended.

### English Composition

Advanced literacy is a powerful tool for economic and social equality, so writing instruction at Roosevelt is a central part of the university’s General Education mission. The English Composition program is housed in the College of Arts and Sciences and administered by the Department of Literature and Languages. English Composition is not a degree program, but its courses are a key component of Roosevelt’s core requirements.

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
</tbody>
</table>

### English Language Program

The English Language Program is not a full bachelor’s degree program. Instead, ELP provides a carefully planned series of courses designed to prepare and support non-native speakers of English for study at Roosevelt University. ELP offers courses in speaking, listening, grammar, reading, and writing at three levels:

- **Beginning level** provides intensive practice in basic English skills at an elementary level for students who have little or no knowledge of English.
Students who major in English will undertake a course of study designed to develop knowledge in literary trends, themes, and genres as well as skills in critical interpretation and written communication. In advanced courses, students will investigate the structure, style, intellectual content, historical significance, and cultural context of the literature produced in Great Britain and the United States, as well as Anglophone literature from around the world. This extensive textual study will foster appreciation of diverse cultural values and of the means by which culture is transmitted through language.

The English BA curriculum is designed to give students the flexibility to select a concentration, minor, or second major that will propel them into a rewarding career. Our alumni have gone on to graduate degrees in literature, library science, law, and writing; teaching English in secondary schools or in foreign countries; and to careers in professions such as advertising/marketing, law, publishing, and other fields in which cultural awareness and strong analytical, interpretive, research, and writing skills are desired.

**Requirements**

The major consists of 11 courses in English literature: five core courses and six electives. Of the core courses, the following have a prerequisite of ENG 101 COMPOSITION I: CRITICAL READING & WRITING and thus may be taken by second-semester freshmen: ENG 210 BRITISH LITERATURE TO 1789, ENG 211 BRITISH LITERATURE 1789 TO PRESENT, ENG 212 AMERICAN LITERATURE TO 1865, ENG 213 AMERICAN LITERATURE 1865-PRESENT, ENG 214 INTRODUCTION TO ETHNIC LITERATURES and ENG 207 INTRODUCTION TO AFRICAN-AMERICAN LITERATURE. The required course in analytical interpretation (ENG 220 INTRODUCTION TO LITERARY ANALYSIS ) has a prerequisite of ENG 102 COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH. Of the electives, five must be at the 300 level, all of which have a prerequisite of ENG 220 INTRODUCTION TO LITERARY ANALYSIS. ENG 117 TOPICS: IDEAS THROUGH THE CENTURIES may be counted both as an English elective and as the Ideas requirement in the general education curriculum. Transfer students must complete at least five 300-level English courses at Roosevelt.

Electives should be chosen in close consultation with an advisor to devise a program that both satisfies the student’s interests and involves sufficient breadth. Students may count ENG 222 WRITING TUTOR PRACTICUM, ENG 384 INTERNSHIP IN THE COMMUNITY, ENG 385 INTERNSHIPS IN TEACH LITERATURE, ENG 387 INTERNSHIPS TEACH COMPOSITION, CRWR 303 CREATIVE WRITING CAPSTONE and other selected 300-level courses both as an English elective, and towards the Experiential Learning requirement in the general education curriculum. Students must maintain a 2.5 GPA in the major, and must earn grades of C- or higher in all major coursework.
Code | Title | Credit Hours
--- | --- | ---
ENG 115 | EXPLORING LITERATURE | 3
or ENG 117 | TOPICS: IDEAS THROUGH THE CENTURIES | 3
ENG 210 | BRITISH LITERATURE TO 1789 | 3
or ENG 211 | BRITISH LITERATURE 1789 TO PRESENT | 3
ENG 212 | AMERICAN LITERATURE TO 1865 | 3
or ENG 213 | AMERICAN LITERATURE 1865-PRESENT | 3
ENG 220 | INTRODUCTION TO LITERARY ANALYSIS | 3
ENG 207 | INTRODUCTION TO AFRICAN-AMERICAN LITERATURE | 3
or ENG 215 | INTRODUCTION TO ETHNIC LITERATURES | 3

**Electives**

Six electives in English literature, five at the 300 level | 18

**General Education, University Writing Requirement, and Electives**

Total Credit Hours | 120

---

**Concentration in Creative Writing**

Students interested in this concentration follow a curriculum that complements the study of literature with four workshops that provide exposure to and further practice in a variety of genres in creative writing.

The creative writing workshops include a multi-genre introductory course, at least two of three genre courses, and the Creative Writing Capstone course, in which students assemble and revise a portfolio of their best work.

**Code | Title | Credit Hours**
--- | --- | ---
ENG 107 | INTRODUCTION TO AFRICAN-AMERICAN LITERATURE | 3
or ENG 215 | INTRODUCTION TO ETHNIC LITERATURES | 3

**Electives**

Four 300-level literature electives | 12

**Creative Writing Workshops**

CRWR 153 | INTRODUCTION TO CREATIVE WRITING | 3

Select two courses from CRWR 250-253:

CRWR 250 | FICTION WRITING WORKSHOP | 3
CRWR 251 | POETRY WRITING WORKSHOP | 3
CRWR 252 | CREATIVE NONFICTION WRITING WORKSHOP | 3
CRWR 253 | SCREEN WRITING WORKSHOP | 3
CRWR 303 | CREATIVE WRITING CAPSTONE | 3

**Total Credit Hours** | 33

---

**CORE Requirements (General Education)**

**Code | Title | Credit Hours**
--- | --- | ---
FYS 101 | FIRST YEAR SUCCESS COURSE | 1
or TRS 101 | TRANSFER SUCCESS 101 | 1
ENG 101 | COMPOSITION I: CRITICAL READING & WRITING | 3
ENG 102 | COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH | 3
COMM 101 | PUBLIC SPEAKING (or program specific CORE communications course) | 3

**Ideas Across Disciplines**

3 credits in coursework categorized as Ideas. | 3

**Humanities and Fine and Performing Arts**

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies | 9

**Mathematics**

MATH 110 | QUANTITATIVE LITERACY (or above) | 3

**Science**

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) | 7-8

**Social Sciences**

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies | 9

**Experiential Learning**

6 credits from coursework categorized as Experiential Learning. | 6

**Total Credit Hours** | 47-48

1. Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.

Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS).

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>3</td>
<td>ENG 102</td>
<td>3</td>
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<tr>
<td>MATH 110</td>
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<td>ENG 115 or 117</td>
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<td>FYS 101</td>
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<td>ENG 207 or 215</td>
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<td>Humanities #1</td>
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<td>BIOL 111 or 112</td>
<td>4</td>
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<tr>
<td>Social Science #1</td>
<td>3</td>
<td>IDEAS ACROSS DISCIPLINES</td>
<td>3</td>
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<tr>
<td>Physical Science</td>
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### Year 2

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<td>Humanities #2</td>
<td>3</td>
<td>ENG 220</td>
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<td>GENERAL ELECTIVE</td>
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<td>Social Science</td>
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<td>SOCIAL SCIENCE #2</td>
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<td>Humanities #3</td>
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### Year 3

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### Year 4

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Total Credit Hours 120

Or course towards an optional Minor
Any course at the 200 level within the discipline.
Any course at the 300 level within the discipline.
Experiential Learning class must be 200/300 level and satisfies CORE requirement. ENG course recommended.
One Natural Science course must have a lab.
ENG 117 recommended
100 level HIST course recommended.

### Forensic Psychology Concentration

The concentration in Forensic Psychology allows students to study the field of psychology and the law in depth. Students will explore areas such as police investigation, court proceedings, policy work, and learn about professions related to the forensic arena. Drawing on knowledge from a range of subfields in psychology, students will gain first-hand experience with forensic research and related clinical interventions with forensic populations. This concentration is well suited for students planning to pursue graduate school in forensic psychology, clinical psychology, experimental psychology (cognitive, developmental, or social psychology), criminology/criminal justice, or law school.

### Requirements

Four courses (at least 12 credit hours) are required from the list below. Students must enroll in PSYC 351 LAW AND PSYCHOLOGY. Students must also select a second class that has a service learning component or a laboratory component as part of their coursework.

Only one elective class can be transferred from another institution.
All courses must be passed with a grade of C- or higher. A minimum cumulative GPA of 2.0 is required for all courses in the concentration.

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Select three courses from the following:

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<tr>
<td>CJL 200</td>
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<td>PSYC 106</td>
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<td>PSYC 360</td>
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<tr>
<td>PSYC 391</td>
<td>ADVANCED FORENSIC PSYCHOLOGY</td>
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<tr>
<td>PSYC 392</td>
<td>CHILDREN, PSYCHOLOGY, &amp; LAW</td>
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</tr>
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</table>

Total Credit Hours 12

1 Meets the experiential learning requirement for the concentration.

### Health Science Administration, BA

Offered in: Chicago

The bachelor’s degree in Health Science Administration (HSAD) provides students with the knowledge, attitudes, and skills necessary for a successful career in the administration and organization of health care and medical laboratory settings. This major will meet the career-readiness needs of traditional students as well as enhance career opportunities for working professionals engaged in healthcare service delivery or laboratory science fields. The HSAD curriculum draws from the...
disciplines of public health, public administration, organizational leadership, and data analytics for an interdisciplinary understanding of modern healthcare.

Graduates will be prepared to:

- Demonstrate an understanding of healthcare systems, including their organization, structure, performance and terminology
- Synthesize knowledge of economic, socio-cultural, legal, population health and policy issues to address today’s complex healthcare issues
- Identify the strategic, tactical and operational issues that drive the healthcare industry as a whole as well as the inter-relationships between its various segments
- Apply organizational and management theories and principles in a variety of health care and medical laboratory settings
- Apply skills of information management, quality improvement and performance measurement effectively in a variety of health care settings
- Demonstrate an awareness and both critical and entrepreneurial thinking skills in order to address health disparities

The BA in Health Science Administration provides students with 24 semester hours of core content and nine semester hours of electives to allow students to pursue their own interests in administration, lab science management or technology. Students will also complete an internship or capstone course designed to focus on their career interests. Students will also be well prepared for graduate study in public health, healthcare administration or health policy.

HSAD majors are encouraged to pursue a minor in related and complementary fields, such as psychology, data analytics, biology, chemistry, Hispanic studies, African American studies, women and gender studies, organizational leadership, general business for non-business majors, or human resource management.

Requirements

Requirements for the BA degree include 33 credit hours of acceptable credits in the major. This includes 21 credit hours of core courses, 9 credit hours of elective courses, and 3 hours of either the HSAD capstone or HSAD internship course. Students may take elective courses with an emphasis in Administration, Health Science, or Technology.

- Students must complete the final 30 credit hours of their degree at Roosevelt University.
- At least 15 credit hours in acceptable courses must be successfully completed at Roosevelt University.
- At least 12 credit hours must be completed at the 300 level.
- Requires MATH (110 or 121), MATH 217, and DSIT 103 as a prerequisite to HSAD 365.
- A grade of C- is the minimal acceptable grade for a course to be applied to the major and the supporting sequence, or to be acceptable as a prerequisite for subsequent courses.
- A minimum GPA of 2.0 is required for all courses in the major.

**CORE Requirements (General Education)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
<tr>
<td>OLED 320</td>
<td>INTRODUCTION TO ORGANIZATIONAL COMMUNICATIONS</td>
<td></td>
</tr>
<tr>
<td>DSIT 103</td>
<td>INTRODUCTION TO DATA ANALYTICS</td>
<td></td>
</tr>
<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
<td></td>
</tr>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above) 1</td>
<td>3</td>
</tr>
</tbody>
</table>

1. Fulfills experiential general education requirement.
One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)

Social Sciences
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies

Experimental Learning
6 credits from coursework categorized as Experiential Learning.

Total Credit Hours: 47-48

Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
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<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>3</td>
<td>HUMANITIES 2</td>
<td>3</td>
</tr>
<tr>
<td>PHYSICAL/LIFE SCIENCE</td>
<td>3</td>
<td>LIFE SCIENCE WITH LAB</td>
<td>5</td>
</tr>
<tr>
<td>HUMANITIES 1</td>
<td>3</td>
<td>Ideas Across Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>SOCIAL SCIENCE 1</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
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Year 2

<table>
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<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>OLED 320</td>
<td>3</td>
<td>HSAD 351</td>
<td>3</td>
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<tr>
<td>MATH 217</td>
<td>3</td>
<td>COMM 101</td>
<td>3</td>
</tr>
<tr>
<td>SOCIAL SCIENCE 2</td>
<td>3</td>
<td>MAJOR ELECTIVE (OLED 335 recommended)</td>
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<tr>
<td>HUMANITIES 3</td>
<td>3</td>
<td>SOCIAL SCIENCE</td>
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<tr>
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<td>15</td>
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Year 3

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>HSAD 360</td>
<td>3</td>
<td>HSAD 363</td>
<td>3</td>
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</table>

History, BA

The History program has a deep commitment to the study of urban, cultural, and social history with special attention given to the areas of gender, race, class, and historical grass-roots social movements. In this program, students come to appreciate how historical knowledge reveals humanity’s common bonds as well as its distinctive tapestries. Moreover, as Marcus Cicero observed, history “illuminates reality, vitalizes memory, provides guidance in daily life, and brings us the tidings of antiquity.” An understanding of history thus illustrates how past values and experiences inform today’s world. This understanding helps people forge a sense of identity and create blueprints from which to construct a community.

Experiential learning opportunities, including internships and study abroad, prepare students for graduate school as well as life in an increasingly interconnected and complex world in diverse fields that include education, law, business, journalism, and not-for-profit organizations. Small class sizes encourage deep critical engagement with faculty and fellow students. The program focuses on history from a local and national as well as global perspective and offers undergraduate sequences in the fields of African American, European, Latin American and United States history, with individual courses in other fields. Students in the History program may also take advantage of a seminar course offered at the Newberry Library, as well as the resources of the university’s Center for New Deal Studies and the St. Clair Drake Center for African and African American Studies.

Requirements

- Eleven courses in history with an overall GPA of 2.0 and no grade lower than C-
- At least 15 credit hours must be taken at Roosevelt.
• At least 12 credit hours must be at the 300 level.
• No more than 12 credit hours at the 100 level may be counted toward the major.
• History “Ideas” courses may count toward the major and the CORE Ideas requirement, except in cases where the student completes all four 100-level surveys and HIST 110 (Topics in Ideas I), in which case HIST 110 may not count toward the major.
• Students should work with their advisor to ensure that they take HIST 280 TOPICS IN HISTORIOGRAPHY AND METHODOLOGY in their sophomore or junior year, as this course will prepare students to write their 300-level research and writing assignments.
• History has no foreign language requirement, but students intending to do graduate study in history or whose interest is in the study of a foreign culture are strongly advised to take at least two years of a foreign language.
• Transfer students may substitute a Western civilization survey for HIST 111 THE WORLD TO 1500 and HIST 112 THE WORLD SINCE 1500.

Students choose 9-12 credit hours at the 100 level, including 3 credits in US History and 3 credits in World History:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HIST 106</td>
<td>THE UNITED STATES TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107</td>
<td>THE UNITED STATES SINCE 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>THE WORLD TO 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 112</td>
<td>THE WORLD SINCE 1500</td>
<td>3</td>
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</table>

Required Topics Course:
HIST 280 TOPICS IN HISTORIOGRAPHY AND METHODOLOGY 3

Electives
Six history electives, at least four at the 300 level 18

General Education, University Writing Requirement, and Electives
Courses to total 120 87

Total Credit Hours 120

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women’s and Gender Studies 9

Mathematics
MATH 110 QUANTITATIVE LITERACY (or above) 1 3

Science
One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

Social Sciences
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies 9

Experiential Learning
6 credits from coursework categorized as Experiential Learning 6

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

• Students must earn a minimum of 120 semester hours.
• Students may apply no more than 60 credit hours of 100-level courses toward the degree.
• Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
• Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
• Students may transfer in no more than 70 credit hours from community colleges.
• Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
• Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
• Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

Year 1

Fall
Credit Hours Spring
Credit Hours
ENG 101 3 ENG 102 3
FYS 101 1 HIST 107 or 112 3
MATH 110 3 IDEAS ACROSS DISCIPLINES 4 3
HIST 111 or 106 3 Humanities #1 3
<table>
<thead>
<tr>
<th>Physical Science</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3 BIOL 111 or 112</td>
<td></td>
<td>4</td>
</tr>
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| Social Science #1 | 3    | 3 HIST 280 | 3      |
|                  |      | 3 Humanities #3 | 3      |
|                  |      | 3 Social Science #3 | 3      |
| Social Science #2 | 3 General Elective | 3 General Elective | 3 General Elective |
| Humantities #2 | 3 General Elective | 3 General Elective | 3 General Elective |

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>HIST 1XX, 2XX, 3XX</td>
<td>3 HIST 280</td>
<td>3</td>
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<tr>
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<td>3 Humanities #3</td>
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<td></td>
<td></td>
<td>3 Social Science #3</td>
<td>3</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>3 General Elective</td>
<td>3 General Elective</td>
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<td>3 General Elective</td>
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<table>
<thead>
<tr>
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<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>HIST 2XX or 3XX</td>
<td>3 EXPERIENTIAL LEARNING #1</td>
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<tr>
<td></td>
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<td>3 General Elective</td>
<td>3 General Elective</td>
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<td>3 General Elective</td>
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<td>3 General Elective</td>
<td>3 General Elective</td>
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<table>
<thead>
<tr>
<th>Year 4</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>HIST 3XX</td>
<td>3 HIST 3XX</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 EXPERIENTIAL LEARNING #2</td>
<td>3 General Elective</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>3 General Elective</td>
<td>3 General Elective</td>
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<tr>
<td></td>
<td></td>
<td>3 General Elective</td>
<td>3 General Elective</td>
<td>3 General Elective</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 120 |

1. Or course towards an optional Minor.
2. Any course at the 200 level within the discipline.
3. Any course at the 300 level within the discipline.
4. Can be fulfilled by HIST 110.
5. One Natural Science course must have a lab.
6. Experiential Learning class must be 200/300 level and can be a HIST course or taken outside the major. Satisfies CORE Experiential Learning requirement.

**Histotechnology, BS**

Health care professions separate from nursing, medicine, and pharmacy provide a range of diagnostic, technical, therapeutic and direct patient care and support services that are critical to other health professionals they work with and the patients they serve.

The overall employment outlook for individuals with professional certifications varies, but is projected to be good to excellent by the U.S. Bureau of Labor Statistics. The BS degrees include Diagnostic Medical Sonography, Histotechnology, Medical Technology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography. These areas involve completing required course work at Roosevelt University, followed by clinical training at the appropriate affiliate clinical site. A separate application to the clinical training program is required, and acceptance is not guaranteed. Roosevelt University offers five programs with clinical training at Northwestern Memorial Hospital, Chicago (Diagnostic Medical Sonography, Histotechnology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography (https://clinicalschools.nm.org/)) and one program with clinical training at NorthShore Health Systems, Evanston (Medical Technology (https://www.northshore.org/academics/academic-programs/other-programs/medical-technology/)).

**Requirements**

Courses taken for the major must be taken on a letter grade basis. A grade of C- is the minimal acceptable grade for a course to be applied to the major, or to be acceptable as a prerequisite for subsequent courses. A minimum cumulative GPA of 2.0 is required for all courses in the major. However, it is important to note that the clinical affiliates have their own GPA requirements and may not accept grades of C- for certain required prerequisite courses.

Each of the areas of study has its own prerequisite courses and requirements. These programs require students to complete all required coursework before applying to the clinical affiliate. Students are not guaranteed admission into the clinical training portion of the degree. Students must make certain they are fully aware of each area’s specific acceptance requirements. Students interested in these health care careers should seek early guidance from the health coordinator in the Department of Biological, Physical, and Health Sciences.

**Standards**

- AP biology credit with a score of 3.0 or higher may apply toward the major in biology or the general education requirements after consultation with an advisor.
- AP chemistry with a score of 4 or higher satisfies the requirements for CHEM 201 GENERAL CHEMISTRY I with lab.
- AP Physics I (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab.
- AP Physics II (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab.
- AP Physics C: Mechanics with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab and PHYS 233 CALCULUS-BASED PHYSICS I DISCUSSION.
- AP Physics C: Electricity and Magnetism with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab and PHYS 234 CALCULUS-BASED PHYSICS II DISCUSSION.

In addition, students must:

- Take a minimum of their last 30 credit hours at Roosevelt University; off-site clinical courses count toward this requirement.
- Take at least 20 credit hours in acceptable Biology, Chemistry, or Physics courses at Roosevelt University; not more than 15 credit hours of acceptable Biology courses may be transferred to Roosevelt University and applied toward the BS degree.
- Once enrolled in the program, complete all remaining Biology, Chemistry, Physics, and Mathematics course requirements for these BS degrees at Roosevelt University. Under special circumstances, written permission to take required courses elsewhere may be granted by the health coordinator.
• Apply only courses in biology taken within the past eight years toward graduation.
• Limit to 4 credit hours the total of independent study hours (BIOL 395 INDEPENDENT STUDY/BCHM 395 INDEPENDENT STUDY/CHEM 395 INDEPENDENT STUDY/PHYS 395 INDEPENDENT STUDY) and independent research (BIOL 392 RESEARCH IN BIOLOGY/BCHM 392 RESEARCH IN BIOCHEMISTRY/CHEM 392 RESEARCH IN CHEMISTRY/PHYS 392 RESEARCH IN PHYSICS) used to fulfill the requirements of the major.

The Histotechnology program at Roosevelt University is the only bachelor’s level program in the state of Illinois that trains students to become histotechnologists.

Histotechnologists process patient samples for the detection of tissue abnormalities and to determine the best treatment for the diseases causing the abnormalities. In addition to the dyes and chemicals used to prepare and stain tissues for microscopy, immunological and DNA techniques are used to determine specific cell types in tumors. The tasks performed by the histotechnologist require patience, mechanical ability, and knowledge of biology, immunology, molecular biology, anatomy, and chemistry. Most histotechnologists work in hospitals.

Contact an advisor in the Department of Biological, Chemical, and Physical Sciences for details and advising as soon as possible. This is a 3+1 program, in which the first three years of course work is completed at Roosevelt University and the final year at Northwestern Memorial Hospital.

Admission
Admission to clinical training is at the discretion of the clinical affiliate, Northwestern Memorial Hospital. Students are not guaranteed admission. The minimum GPA for application for this program is 2.75 GPA overall and a 2.75 GPA in the prerequisite courses. Students in clinical training are registered through Roosevelt University and pay Roosevelt University tuition. There is no additional tuition charge for the clinical portion of the program.

Requirements
Histotechnology students complete a minimum 86 credit hours of academic course work at Roosevelt University, including the university writing requirement and the College of Arts and Sciences general education requirements, in addition to the Histotechnology concentration requirements outlined below. They complete their last 36 credit hours in a one-year, full-time, daytime clinical training program at Northwestern Memorial Hospital*. Upon successful completion of the clinical program, students receive a Certificate in Histotechnology from the hospital and a BS in Histotechnology from the university, and are eligible to sit for the ASCP certification examination.

* Acceptance into the clinical training is not guaranteed and is at the discretion of the clinical site.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 123</td>
<td>ANATOMY &amp; PHYSIOLOGY I (with lab)</td>
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<tr>
<td>BIOL 124</td>
<td>ANATOMY &amp; PHYSIOLOGY II (with lab)</td>
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</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY (with lab)</td>
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</tr>
<tr>
<td>BIOL 360</td>
<td>MICROBIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 367</td>
<td>IMMUNOLOGY (with lab)</td>
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</tr>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
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<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
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<td>CHEM 210</td>
<td>SURVEY OF ORGANIC CHEMISTRY</td>
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<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I</td>
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<td>MATH 121</td>
<td>COLLEGE ALGEBRA</td>
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<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
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<td>ALH 333</td>
<td>LABORATORY MANAGEMENT</td>
<td>2</td>
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<tr>
<td>ALH 334</td>
<td>INTRODUCTION TO HISTOTECHNOLOGY</td>
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<tr>
<td>ALH 336</td>
<td>PROCESSING &amp; EMBEDDING TISSUES</td>
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<td>ALH 337</td>
<td>MICROTMY/INSTRUMENTATION</td>
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<tr>
<td>ALH 338</td>
<td>ROUTINE STAIN AND QUALITY CONTROL</td>
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<tr>
<td>ALH 357</td>
<td>CLINICAL PRACTICUM I</td>
<td>3</td>
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<tr>
<td>ALH 375</td>
<td>IMMUNOHISTOCHEMISTRY</td>
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<tr>
<td>ALH 376</td>
<td>ELECTRON MICROSCOPY</td>
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<td>ALH 377</td>
<td>SPECIAL STAINS</td>
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<tr>
<td>ALH 378</td>
<td>HISTOTECHNOLOGY PROCESS IMPROVEMENT</td>
<td>2</td>
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<tr>
<td>ALH 379</td>
<td>SEMINAR: ED &amp; RES IN HISTOLOGY</td>
<td>3</td>
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<tr>
<td>ALH 390</td>
<td>MICROANATOMY</td>
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<tr>
<td>ALH 391</td>
<td>IMMUNOFLUOR/ENZYME/IN SITU</td>
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Core requirements 49
Clinical requirements 34
Total requirements for degree 120

CORE Requirements (General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FYS 101</td>
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<td>TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td>1</td>
</tr>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Ideas Across Disciplines
3 credits in coursework categorized as Ideas. 3

Humanities and Fine and Performing Arts
9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women’s and Gender Studies

Mathematics
MATH 110 QUANTITATIVE LITERACY (or above) 1 3

Science
One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)

Social Sciences
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies

Experiential Learning
6 credits from coursework categorized as Experiential Learning.

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

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- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
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- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

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Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>ENG 102</td>
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<td>CHEM 201</td>
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Year 2

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<td>BIOL 301</td>
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<td>COMM 101</td>
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<td>MATH 217</td>
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Social Science #1 3
Humanities #2 3

Year 3

<table>
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<td>BIOL 360</td>
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<td>Humanities #3</td>
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<td>Experiential Learning #1</td>
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<td>Social Science #2</td>
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<td>GENERAL ELECTIVE</td>
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|            | 16           | 14           | |

Year 4

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<td>ALH 334</td>
<td>2</td>
<td>ALH 375</td>
<td>3</td>
</tr>
<tr>
<td>ALH 336</td>
<td>3</td>
<td>ALH 376</td>
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<tr>
<td>(Experiential learning #2)</td>
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<tr>
<td>ALH 337</td>
<td>4</td>
<td>ALH 377</td>
<td>3</td>
</tr>
<tr>
<td>ALH 338</td>
<td>2</td>
<td>ALH 378</td>
<td>2</td>
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<tr>
<td>ALH 390</td>
<td>3</td>
<td>ALH 379</td>
<td>3</td>
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<tr>
<td>ALH 391</td>
<td></td>
<td>ALH 379</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>18</td>
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</tr>
</tbody>
</table>

Total Credit Hours 120

1 Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement.

Information Technology, BA

The Information Technology degree covers the tools, techniques and technologies of information, data, and computing infrastructure from office software to network design and infrastructure. Students have a significant ability to tailor the degree to fit their own interest and to create their own area of concentration.

Requirements

- Students must maintain a 2.0 GPA in the major, and must earn grades of C- or higher in all major coursework.
- At least 30 credit hours of credit must be taken at Roosevelt University, with at least 15 of these in the major.
- Because of the rapidly changing nature of this field of study, computing courses taken more than eight years ago cannot be counted towards degree requirements unless the student has been continuously registered since the time the course was taken (excluding summers).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>CST 101 or CST 100</td>
<td>BEYOND PC ESSENTIALS</td>
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<tr>
<td>CST 150</td>
<td>COMPUTER SCIENCE I</td>
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</tr>
<tr>
<td>CST 250</td>
<td>COMPUTER SCIENCE II</td>
<td>4</td>
</tr>
<tr>
<td>CST 270</td>
<td>SYSTEMS ANALYSIS AND DESIGN</td>
<td>3</td>
</tr>
<tr>
<td>CST 301</td>
<td>COMPUTER NETWORKING</td>
<td>3</td>
</tr>
</tbody>
</table>
CST 318 INTRODUCTION TO UNIX 3
CST 327 SOFTWARE PROJECT MANAGEMENT 3
CST 333 DATABASE SYSTEMS 3
CST 368 INTERNET SECURITY 3
Electives 15

15 hours of 200/300 level courses from Computer Science, Cyber Security and Information Assurance or Data Analytics. Minimum 9 hours at 300 level.

Students enrolled in the Accelerated 4+1 program BA Information Technology to MBA are allowed to take 3 graduate business courses (INFS 402, ACCT 405, MGMT 423) towards an MBA as three electives in the BAIT major as undergraduates.

Optional Minor for the BA in Information Technology:
Business, Economics, or Math is recommended
See the relevant section of the catalog for required courses for any chosen minor.

General Education, University Writing Requirement, and Electives
Coursed to total 120 76
Total Credit Hours 120

Required Math Courses
Code Title Credit Hours
MATH 116 FINITE MATHEMATICS 3
or MATH 121 COLLEGE ALGEBRA
MATH 217 ELEMENTARY STATISTICS 3

CORE Requirements (General Education)
Code Title Credit Hours
First Year Success Course or Transfer Success Course
FYS 101 FIRST YEAR SUCCESS COURSE 1
or TRS 101 TRANSFER SUCCESS 101
Communication Requirement
ENG 101 COMPOSITION I: CRITICAL READING & WRITING 3
ENG 102 COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH 3
COMM 101 PUBLIC SPEAKING (or program specific CORE communications course) 3
Ideas Across Disciplines
3 credits in coursework categorized as Ideas. 3
Humanities and Fine and Performing Arts
9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies 9
Mathematics
MATH 110 QUANTITATIVE LITERACY (or above) 3
Science
One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8
Social Sciences
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies 9
Experiential Learning
6 credits from coursework categorized as Experiential Learning. 6
Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
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Year 1
Fall Credit Hours Spring Credit Hours
ENG 101 3 ENG 102 3
FYS 101 1 IDEAS ACROSS DI 3
CST 100 or 101 3 CST 150 4
MATH 121 3 MATH 217 3
BIOL 111 or 112 4 4 Social Science #1 3
14 16

Year 2
Fall Credit Hours Spring Credit Hours
CST 250 4 COMM 101 3
Experiential learning #1 3 CST 270 3
Physical Science Course 4 3 Humanities #2 3
Humanities #1 3 Social Science #3 3
Social Science #2 3 CST 318 3
16 15
Digital Marketing, Advertising, and Public Relations, BA

Marketing Communications is the term for the broad field that includes social and digital marketing, advertising, public relations, promotional marketing, and numerous other forms of persuasive communications activities. Students majoring in the Digital Marketing, Advertising, and Public Relations degree are prepared for entry-level work in any area of this broad field.

Students have the option to follow a general marketing communications curriculum, without a concentration, or choose one of three concentrations—public relations, advertising management, or advertising creative. Students who meet entry requirements may consider an accelerated BA to MS program that allows them to complete their bachelor’s degree and master’s degree studies in marketing communications in five years.

Roosevelt’s faculty in Marketing Communications are professionals, first and foremost. All have had successful careers in the marketing communications business with responsibility for building and managing major-brand communications activities. All also have distinguished academic credentials. Faculty designed this curriculum to bring their work experiences to bear in every class, and they keep courses up to date and in step with new developments in this constantly evolving field.

Digital Marketing, Advertising, and Public Relations majors are encouraged to pursue a minor in related and complementary fields, such as Journalism and Media Studies (p. 105), or in a social science field, such as Psychology (p. 156) or Sociology (p. 157).

Prerequisites

To begin the major, students complete COMM 201 COMMUNICATION IN THE INFO AGE or its equivalent with a grade of C (not C-) or better. Transfer students must complete at least eight of their major courses (24 credit hours) at Roosevelt.

Requirements

The Digital Marketing, Advertising, and Public Relations major is a total of 12 courses (37 credit hours), including nine core courses and three electives. Electives can be selected to specialize in one of three concentrations listed below, or students can pursue a more generalized (non-concentration) marketing communications curriculum.

To receive the B.A. degree in this field, majors must:

- Complete all courses in the major with a minimum grade of C (not C-) or better.
- Maintain at least an overall grade point average of B- (2.67 or higher GPA) in the major.
- Successfully complete a professional internship experience in the field, IMC 399 INTERNSHIP IN IMC.
- Successfully complete the capstone requirement, IMC 347 CAMPAIGN PLANNING. This is a team project course in which students work to solve a marketing communications problem for a client and then present their team recommendations to the client.

In addition, note that:

- Transfer students must complete eight courses in the major (24 credit hours) at Roosevelt.
- No 100-level courses may count toward the hours required for this major.
- No pass/fail grades, other than IMC 399 INTERNSHIP IN IMC, are accepted for this major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>IMC 202</td>
<td>IMC PRINCIPLES/BEST PRACTICES</td>
<td>3</td>
</tr>
<tr>
<td>IMC 220</td>
<td>MEDIA WRITING</td>
<td>4</td>
</tr>
<tr>
<td>IMC 240</td>
<td>MARKETING RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>IMC 262</td>
<td>FUNDAMENTALS OF PR</td>
<td>3</td>
</tr>
<tr>
<td>IMC 263</td>
<td>FUNDAMENTALS OF ADVERTISING</td>
<td>3</td>
</tr>
<tr>
<td>IMC 264</td>
<td>FUNDAMENTALS OF DIGITAL AND SOCIAL MEDIA MARKETING</td>
<td>3</td>
</tr>
<tr>
<td>IMC 347</td>
<td>CAMPAIGN PLANNING</td>
<td>3</td>
</tr>
<tr>
<td>IMC 363</td>
<td>LAW AND ETHICS</td>
<td>3</td>
</tr>
<tr>
<td>IMC 399</td>
<td>INTERNSHIP IN IMC</td>
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</table>

Electives

Three courses at the 200 or 300 level in IMC or JMS (or may be an area of concentration, listed below)

General Education, University Writing Requirement, and Electives

Hours to total 120

<p>| Total Credit Hours | 120 |</p>
<table>
<thead>
<tr>
<th>Concentrations in IMC</th>
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<tbody>
<tr>
<td><strong>Advertising Creative (6 hours)</strong></td>
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<tr>
<td>Code</td>
<td>Title</td>
</tr>
<tr>
<td>IMC 349</td>
<td>ADVERTISING PORTFOLIO I</td>
</tr>
<tr>
<td>IMC 350</td>
<td>ADVERTISING PORTFOLIO II</td>
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<tr>
<td><strong>Advertising Management (6 hours)</strong></td>
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<tr>
<td>Code</td>
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<tr>
<td>IMC 344</td>
<td>BRAND MANAGEMENT</td>
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<td>IMC 345</td>
<td>ADVERTISING MEDIA</td>
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<td><strong>Public Relations (choose any two, for 6 hours)</strong></td>
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<tr>
<td>Code</td>
<td>Title</td>
</tr>
<tr>
<td>IMC 340</td>
<td>MEDIA RELATIONS</td>
</tr>
<tr>
<td>IMC 362</td>
<td>DIGITAL/SOCIAL MARKETING COMMUNICATIONS</td>
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<td>IMC 365</td>
<td>BRAND STORYTELLING</td>
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<tr>
<td>IMC 374</td>
<td>CRISIS COMMUNICATION</td>
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<td><strong>CORE Requirements (General Education)</strong></td>
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<td>Code</td>
<td>Title</td>
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<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
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<tr>
<td>or TRS 101</td>
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<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<td>ENG 102</td>
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<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
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<td>Ideas Across Disciplines</td>
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<tr>
<td>Humanities and Fine and Performing Arts</td>
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<td>Mathematics</td>
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<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above)</td>
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<tr>
<td>Science</td>
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<td>One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)</td>
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<td>Experiential Learning</td>
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<tr>
<td>Total Credit Hours</td>
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</table>

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### Year 1

<table>
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<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<td>BIOL 111 or 112</td>
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<td>Social Science #1</td>
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<td>Humanities #1</td>
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<td>Physical Science</td>
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### Year 2

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<td>IMC 240</td>
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<td>COMM 201 (can be used as social science #2)</td>
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<td>16</td>
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</table>
the evolution of the international system itself, and on global social movements including human rights and climate justice. Majoring in International Studies lays the groundwork for students to pursue a wide array of careers in international affairs, from work with intergovernmental organizations such as the United Nations or the World Bank to aid and development work with groups such as the U.S. Agency for International Development; democracy promotion for organizations such as Freedom House; international law at The Hague; advocacy groups such as Witness or Human Rights Watch; environmental groups such as the Sierra Club; or global solidarity campaigns, including the Coalition Against Trafficking in Women.

Downtown Chicago is an ideal location for those pursuing International Studies at Roosevelt University. A growing, bustling and vibrant global city, Chicago is host to numerous international organizations, government offices, advocacy centers, and think tanks, and plays host to countless international conferences. The program studies the international system with a focus on the pursuit and realization of social justice across national boundaries. International Studies graduates gain fluency in contemporary debates across multiple fields, with the moral and ethical foundation to be international leaders and global citizens.

**Advising**

Students should consult their advisor or the program coordinator, Bethany Barratt (%20bbarratt@roosevelt.edu), (phultquist@roosevelt.edu) before registration each semester to assure that requirements are met and that the electives constitute a coherent program that is tailored to the student’s interests.

Students who wish to pursue specialized topics may do so by independent study; however, no independent study may be undertaken until the core sequence has been completed. Each independent study course must have the approval of the program coordinator. Only one independent study course may be taken for credit in the major.

Students are strongly encouraged to undertake study abroad. Roosevelt’s Office of International Programs (https://www.roosevelt.edu/International.aspx) will assist students in selecting and applying for study abroad programs. The program coordinator will assist in selecting courses once the student has been admitted to a program. Study abroad courses and programs vary, so students should consult the program coordinator to see how study abroad courses fit into the International Studies curriculum.

Students are also strongly encouraged to supplement their International Studies education by learning a foreign language, though there is no formal requirement to do so. Students may also deepen their learning and gain valuable work experience through internships with an agency or organization that deals with international issues and populations. Stipulations for internships are the same as for independent study.

**Requirements**

Students who major in International Studies must complete 11 courses (33 credit hours) in the program, each with a grade of C or higher. This includes a set of four required core courses and seven electives.

Students must complete 15 credit hours at the 300 level in the major. For their electives, students must take seven courses, at least 5 at the 300 level. At least five courses in International Studies must be taken at Roosevelt University.

---

**International Studies, BA**

International Studies is a growing interdisciplinary field that offers students the opportunity to study politics, economics, history, sociology, anthropology, and communication as parts of a complex and evolving global system. Along with focusing on relations between states in the international system, the International Studies major affords students the opportunity to focus on particular geographic areas of the world.

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**Year 3**

<table>
<thead>
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<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<td>3 IMC 363</td>
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<td>IMC 264</td>
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<td>3 General Elective</td>
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<td>General Elective</td>
<td>3 General Elective</td>
<td>3 General Elective</td>
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<tr>
<td>General Elective</td>
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<td>3 IMC 347</td>
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<table>
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<tr>
<th>Year 4</th>
<th>Fall</th>
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<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>IMC 399, IMC 2XX, IMC 3XX, JMS 2XX, or JMS 3XX</td>
<td>3 IMC 347</td>
<td>3 IMC 347</td>
<td>3</td>
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<tr>
<td>General Elective</td>
<td>3 General Elective</td>
<td>3 General Elective</td>
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<td>General Elective</td>
<td>3 General Elective</td>
<td>3 General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective</td>
<td>3 IMC 2XX, IMC 3XX, JMS 2XX, or JMS 3XX</td>
<td>3 IMC 3XX</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 120

1. General electives are courses outside the major. A course counting toward a minor may be taken here in place of a general elective.
2. Any course at the 200 level within the discipline.
3. Any course at the 300 level within the discipline.
4. The First-Year Success course is required of freshmen with fewer than 12 hours and is taken in the first semester at RU.
5. One Natural Science course must have a lab.
6. An Ideas Across Disciplines course is required for all new students with fewer than 30 hours and should be taken in students’ second semester at Roosevelt. Ideas Across Disciplines courses at the 200 level in Digital Marketing, Advertising, and Public Relations or Journalism and Media Studies can fulfill this requirement and simultaneously be used as an elective in the major for students in the B.A. in Digital Marketing, Advertising, and Public Relations and the B.A. in Journalism and Media Studies.
7. IMC 347 IMC Campaigns and IMC 399 Internship in IMC fulfill the university’s requirement for two Experiential Learning courses. Additional Experiential Learning courses are optional.
8. COMM 150 recommended
Please note that not all International Studies courses are listed here. International Studies faculty members frequently add new courses that count toward the International Studies major. Other International Studies courses not listed in the catalog may only be offered once but can still count toward the major. You can find these courses by searching for classes in the online course schedule, using the International Studies attribute. Most study abroad classes can count for the major as well. In all cases, students should consult with the program coordinator or their academic advisor to discuss how these courses will be integrated into their major or minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ECON 101</td>
<td>PRINCIPLES OF ECONOMICS I</td>
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</tr>
<tr>
<td>HIST 112</td>
<td>THE WORLD SINCE 1500</td>
<td>3</td>
</tr>
<tr>
<td>POS 103</td>
<td>INTRODUCTION TO INTERNATIONAL RELATIONS</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>INTRODUCTION TO SOCIOLOGY</td>
<td>3</td>
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<tr>
<td>ANTH 240</td>
<td>CROSS CULTURAL ANTHROPOLOGY</td>
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<tr>
<td>ECON 214</td>
<td>THE ECONOMICS OF GLOBALIZATION</td>
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<tr>
<td>ECON 374</td>
<td>ECONOMICS OF DEVELOPMENT AND UNDERDEVELOPMENT</td>
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<td>ECON 376</td>
<td>INTERNATIONAL TRADE AND IMPERIALISM</td>
<td></td>
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<td>ECON 377</td>
<td>INTERNATIONAL FINANCE AND BALANCE OF PAYMENTS</td>
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<td>HIST 240</td>
<td>INTRODUCTION TO AFRICA</td>
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<td>HIST 305</td>
<td>COLONIAL AND POST-COLONIAL EUROPE</td>
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<td>HIST 315</td>
<td>COLONIAL LATIN AMERICA</td>
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<td>HIST 316</td>
<td>LATIN AMERICA SINCE INDEPENDENCE</td>
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<td>HIST 341</td>
<td>TOPICS IN EUROPEAN HISTORY</td>
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<tr>
<td>HIST 342</td>
<td>TOPICS IN WORLD HISTORY</td>
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<td>PHIL 219</td>
<td>WORLD RELIGIONS</td>
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<td>POS 292</td>
<td>NORTH KOREA &amp; NUCLEAR SECURITY</td>
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<td>POS 302</td>
<td>PROBLEMS IN U.S. FOREIGN POLICY</td>
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<td>POS 327</td>
<td>SEXUALITY, GENDER, AND INTERNATIONAL HUMAN RIGHTS</td>
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<td>POS 339</td>
<td>POLITICAL VIOLENCE &amp; TERRORISM</td>
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<tr>
<td>POS 343</td>
<td>TOPICS: ECONOMIC JUSTICE IN URBAN SETTING</td>
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<td>POS 347</td>
<td>ENVIRONMENTAL POLITICS</td>
<td></td>
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<tr>
<td>POS 348</td>
<td>POLITICS OF CLIMATE CHANGE</td>
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<tr>
<td>POS 358</td>
<td>INTERNATIONAL RELATIONS OF THE MIDDLE EAST</td>
<td></td>
</tr>
<tr>
<td>SOC 211</td>
<td>CONTEMPORARY GLOBAL ISSUES</td>
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<tr>
<td>SOC 329</td>
<td>WHITENESS IN A GLOBAL SOCIETY</td>
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<td>SOC 342</td>
<td>GLOBAL RACE</td>
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<td>SPAN 312</td>
<td>STUDIES IN HISPANIC CIVILIZATION &amp; CULTURE</td>
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<td>SPCH 345</td>
<td>CROSS-CULTURAL COMMUNICATION</td>
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<tr>
<td>WGS 304</td>
<td>TOPICS IN IDENTITY, KNOWLEDGE, AND POWER</td>
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**General Education, University Writing Requirement, and Electives**

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<thead>
<tr>
<th>Courses to total 120</th>
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<tbody>
<tr>
<td>Total Credit Hours</td>
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1 At least one course is required from each of the other two concentrations.

**CORE Requirements (General Education)**

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<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Ideas Across Disciplines**

3 credits in coursework categorized as Ideas.

**Humanities and Fine and Performing Arts**

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies.

**Mathematics**

MATH 110 QUANTITATIVE LITERACY (or above) 1

3

**Science**

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)

7-8

**Social Sciences**

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies.

**Experiential Learning**

6 credits from coursework categorized as Experiential Learning.

47-48

Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
• Students may transfer in no more than 70 credit hours from community colleges.
• Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
• Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
• Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>ENG 102</td>
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<tr>
<td>ENG 101</td>
<td>3</td>
<td>IDEAS ACROSS DISCIPLINES</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>3</td>
<td>SOC 101</td>
<td>3</td>
</tr>
<tr>
<td>POS 103</td>
<td>3</td>
<td>Humanities #1</td>
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</tr>
<tr>
<td>BIOL 111 or 112</td>
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<td>Physical Science</td>
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14 15

### Year 2

<table>
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<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>COMM 101</td>
<td>3</td>
<td>International Studies 200 or 300 level</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>3</td>
<td>Experiential Course #1</td>
<td>3</td>
</tr>
<tr>
<td>HIST 112</td>
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<td>Humanities #3</td>
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<td>Humanities #2</td>
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<td>Social Science #2</td>
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<tr>
<td>Social Science #1</td>
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<td>General Elective</td>
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### Year 3

<table>
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<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Studies 200 or 300 level</td>
<td>3</td>
<td>International Studies 300-level</td>
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<tr>
<td>Social Science #3</td>
<td>3</td>
<td>International Studies 300-level</td>
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</tr>
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<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
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<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
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</tr>
</tbody>
</table>

15 16

### Year 4

<table>
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<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Studies 300-level</td>
<td>3</td>
<td>International studies 300-level</td>
<td>3</td>
</tr>
<tr>
<td>International Studies 300-level</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Experiential Course #2</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
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<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
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<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

15 15

Total Credit Hours 120

1. Or course towards an optional Minor.
2. Any course at the 200 level within the discipline.
3. Any course at the 300 level within the discipline.
4. Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement.
5. One Natural Science course must have a lab.

### Journalism and Media Studies, BA

#### The program

What’s your multimedia niche? Behind the camera? In front? Analyzing media bias or influence? Covering local news, sports, or politics?

You’ll find opportunities to explore all of these and more in the Journalism and Media Studies program:

• **Take hands-on multimedia courses that prepare you for today’s careers**, whether you plan a career as a podcaster, multimedia content provider, writer, editor, reporter, social media director, designer, photographer, videographer, blogger, or columnist.

• **Learn storytelling from nationally recognized faculty**. Find and tell the stories of Chicago, its people, its neighborhoods, and beyond.

• **Explore media and their influences** in courses such as “Fake News,” “Propaganda,” and “Democracy: The Best Form of Government?” You’ll get the knowledge, tools, and skills to create, analyze, and evaluate messages using media technology.

• **Get media experience during the program** through a required internship (for credit) and a multimedia capstone course, JMS 392 (https://catalog.roosevelt.edu/search/?P=JOUR%20392/) THE MULTIMEDIA PROJECT.

**Student media:** The Department of Communication, the home for this degree, also houses the Torch student newspaper (print and online), WRBC The Blaze student radio station, RU Fire student broadcast club, and the Gage Gallery – outlets that offer students the unique ability to create media for readers and viewers inside and outside Roosevelt University.
Prerequisites
Students must have completed COMM 201 COMMUNICATION IN THE INFO AGE or its equivalent with a grade of C (not C-) or better to begin their studies as Journalism and Media Studies majors.

Requirements
Students in Journalism and Media Studies should carefully review the degree map (see tab above) because not all courses are offered every term. Students should also note that JMS 220 MEDIA WRITING is a prerequisite for several courses in the major and should be taken as soon as possible. Consult an academic advisor in the program if you have questions.

Students complete a total of 12 courses (37 credit hours) for the Journalism and Media Studies degree, including 10 core courses and two major electives. Highlights of the program include:

- COMM 201 COMMUNICATION IN THE INFO AGE is the gateway to the program. We recommend students take COMM 201 as soon as they complete ENG 102. Transfer students may have an equivalent course that can be substituted.
- Students complete a required professional internship experience in the field, JMS 399 (https://catalog.roosevelt.edu/search/?P=JOUR%20399/) MEDIA INTERNSHIP.
- Students conclude their program with a required capstone project, JMS 392 (https://catalog.roosevelt.edu/search/?P=JOUR%20392/) THE MULTIMEDIA PROJECT.
- Transfer students must complete at least seven JMS courses (21 credit hours) at Roosevelt.

Note these guidelines:
- 100-level courses do not count toward the hours required for Journalism and Media Studies.
- Letter grades (not pass/fail) are required for courses in Journalism and Media Studies, with the exception of JMS 399 (https://catalog.roosevelt.edu/search/?P=JOUR%20399/) INTERNSHIP. Internships are pass/fail.
- Grades below C (not C-) are unacceptable for courses in Journalism and Media Studies.

Journalism & Media Studies B.A.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
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<tr>
<td>JMS 203</td>
<td>INTRODUCTION TO MEDIA THEORY</td>
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</tr>
<tr>
<td>JMS 219</td>
<td>INTRODUCTION TO MEDIA PRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>JMS 220</td>
<td>MEDIA WRITING</td>
<td>4</td>
</tr>
<tr>
<td>JMS 305</td>
<td>VIDEO PRODUCTION</td>
<td>3</td>
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<tr>
<td>JMS 319</td>
<td>MULTIMEDIA REPORTING</td>
<td>3</td>
</tr>
<tr>
<td>JMS 350</td>
<td>EDITING</td>
<td>3</td>
</tr>
<tr>
<td>or IMC 240</td>
<td>MARKETING RESEARCH</td>
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</tr>
<tr>
<td>JMS 351</td>
<td>PUBLIC OPINION &amp; PROPAGANDA</td>
<td>3</td>
</tr>
<tr>
<td>JMS 363</td>
<td>LAW AND ETHICS</td>
<td>3</td>
</tr>
<tr>
<td>JMS 392</td>
<td>THE MULTIMEDIA PROJECT</td>
<td>3</td>
</tr>
<tr>
<td>JMS 399</td>
<td>MEDIA INTERNSHIP</td>
<td>3</td>
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<tr>
<td>Electives</td>
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</table>

Two courses at the 200 or 300 level in Journalism and Media Studies (COMM 201 may not be used as an elective)

General Education, University Writing Requirement, and Electives

<table>
<thead>
<tr>
<th>Hours outside the major to total 120</th>
<th>83</th>
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Total Credit Hours 120

CORE Requirements (General Education)

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<tr>
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<th>Credit Hours</th>
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<tr>
<td>First Year Success Course or Transfer Success Course</td>
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<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
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<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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<tr>
<td>Communication Requirement</td>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
<tr>
<td>Ideas Across Disciplines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 credits in coursework categorized as Ideas.</td>
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</tr>
<tr>
<td>Humanities and Fine and Performing Arts</td>
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<tr>
<td>9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies</td>
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<td>Mathematics</td>
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<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above)</td>
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<tr>
<td>Science</td>
<td></td>
<td></td>
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<tr>
<td>One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)</td>
<td>7-8</td>
<td></td>
</tr>
<tr>
<td>Social Sciences</td>
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<td></td>
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<tr>
<td>9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies</td>
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</tr>
<tr>
<td>Experiential Learning</td>
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<tr>
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<td>6</td>
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</tr>
<tr>
<td>Total Credit Hours</td>
<td>47-48</td>
<td></td>
</tr>
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</table>

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

### Journalism and Media Studies BA

#### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FYS 101</td>
<td>1 Ideas Across Disciplines</td>
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<tr>
<td>ENG 101</td>
<td>3 ENG 102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 110</td>
<td>3 Physical Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 111 or 112</td>
<td>4 Social Science #2</td>
<td>3</td>
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<tr>
<td>SOCIAL SCIENCE #1</td>
<td>3 COMM 101</td>
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#### Year 2

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<th>Credit Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>COMM 201</td>
<td>3 JMS 305</td>
<td>(Social Science #3)</td>
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<tr>
<td>JMS 203</td>
<td>3 JMS 319</td>
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<tr>
<td>JMS 219</td>
<td>3 Humanities #2</td>
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<td>JMS 220</td>
<td>4 GENERAL ELECTIVE</td>
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<tr>
<td>Humanities #1</td>
<td>3 JMS 350 or JMS 2XX OR JMS 3XX</td>
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#### Year 3

<table>
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<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>JMS 351</td>
<td>3 JMS 399 or GENERAL ELECTIVE</td>
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<td>JMS 363</td>
<td>3 JMS 2XX or JMS 3XX</td>
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<td>General Elective</td>
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<td>IMC 240 or JMS 2XX OR JMS</td>
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<tr>
<td>HUMANITIES #3</td>
<td>3 General Elective</td>
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#### Year 4

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>JMS 399 or GENERAL ELECTIVE</td>
<td>3 JMS 392</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JMS 2XX or JMS 3XX</td>
<td>3 General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective</td>
<td>3 General Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 120

1. The First-Year Success course is required of freshmen with fewer than 12 hours and is taken in the first semester at RU.
2. Any course at the 200 level within the discipline. Two electives in the major are required.
3. Any course at the 300 level within the discipline. Two electives in the major are required.
4. General electives are courses outside the major. A course counting toward a minor may be taken here in place of a general elective.
5. One Natural Science course must have a lab.
6. An Ideas Across Disciplines course is required for all new students with fewer than 30 hours and should be taken in students' second semester at Roosevelt. Ideas Across Disciplines courses at the 200 level in Integrated Marketing Communications or Journalism and Media Studies can fulfill this requirement and simultaneously be used as an elective in the major for students in the B.A. in Integrated Marketing Communications and the B.A. in Journalism and Media Studies.
7. JMS 392 THE MULTIMEDIA PROJECT and JMS 399 MEDIA INTERNSHIP fulfill the university's requirement for two Experiential Learning courses. Additional Experiential Learning courses are optional.
8. Students majoring in Journalism and Media Studies choose between JMS 350 EDITING and IMC 240 MARKETING RESEARCH. Discuss your career plans with your advisor before making your selection.

### Mathematics, BA

At Roosevelt, the bachelor's degree in Mathematics prepares graduates for a variety of professions (https://mathcareers.maa.org) as well as for continuing study at the graduate level. Students will gain analytical, quantitative, and problem-solving skills. Students will also learn to apply the ideas of mathematics to other fields of knowledge and to communicate mathematics effectively.

Mathematics is a beautiful and interesting subject that involves statistics, numbers, functions, shapes, and structures. These concepts are logically interconnected and develop into a fascinating theory. They are also used to solve real-world problems from a wide variety of areas, including data science, science, computer science, social science, finance, and business. The study of mathematics provides training in disciplined thought and analysis.

Students who wish to teach mathematics at the high school level should minor in secondary education and as well as take the mathematics courses included in the Concentration in Secondary Education. The Secondary Education Minor (p. 175) page provides more detail.

### Standards

Courses taken as pass/fail will be given a pass only for work at or above the C- level. The average grade for all courses taken in Mathematics must be C- or higher. All courses presented for the major and the minor(s) must be completed with grades of C- or higher with an overall GPA of 2.0 in the major. A maximum of two grades of C- may be presented for the major. Repeated courses in the major or minor require specific approval.
Note: Students who wish to teach math at the secondary level need a grade point average in their major of 2.7 or higher.

Prerequisites
All students who plan to major or minor in Mathematics must see a Math advisor before registering. Some students may need prerequisite courses. Advanced placement in Mathematics is possible for well-prepared students. All prerequisite courses must be completed with grades of C- or higher.

Requirements
All credit must be approved by the Mathematics faculty to be applied toward the major. At least four of the courses beyond MATH 233 CALCULUS III must be completed at Roosevelt University. Once a student begins taking Math classes at Roosevelt, any additional courses taken outside of the university must get pre-approval in writing from the department chair in order to be applied to the Math major.

Requirements for a major in Mathematics leading to the BA degree consists of the core and elective courses listed below. Students are encouraged to take MATH 390 INDUSTRIAL RESEARCH PROBLEMS, MATH 349 REGRESSION & TIME SERIES, or (for secondary education students) SEED 360 STUDENT TEACHING SEMINAR: SECONDARY EDUCATION as part of their experiential learning coursework. Students who wish to pursue an additional concentration in Secondary Education or in Statistics should follow the requirements in the sections below this one.

This major has 39 credit hours. Note that a student transferring in four-credit hour calculus 1 and 2 courses and a three-credit hour introductory proof course may have only 36 credit hours.

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<thead>
<tr>
<th>Code</th>
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<th>Credit Hours</th>
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<td>MATH 232</td>
<td>CALCULUS II</td>
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<td>MATH 233</td>
<td>CALCULUS III</td>
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<tr>
<td>MATH 245</td>
<td>DISCRETE STRUCTURES &amp; MATH 290</td>
<td>4</td>
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<tr>
<td>MATH 246</td>
<td>LINEAR ALGEBRA</td>
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</tr>
<tr>
<td>MATH 352</td>
<td>ANALYSIS</td>
<td>3</td>
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<td>MATH 316</td>
<td>HISTORY OF MATHEMATICS</td>
<td>3</td>
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<td>MATH 317</td>
<td>GEOMETRY</td>
<td>3</td>
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<tr>
<td>MATH 318</td>
<td>NUMBER THEORY</td>
<td>3</td>
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<td>MATH 320</td>
<td>INTRODUCTION TO ABSTRACT ALGEBRA</td>
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</tr>
<tr>
<td>MATH 307</td>
<td>DIFFERENTIAL EQUATION/MODELING</td>
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<td>MATH 309</td>
<td>DATA MINING</td>
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<tr>
<td>MATH 384</td>
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</tbody>
</table>

Concentration in Secondary Education
Students pursuing a concentration in Secondary Education will take courses that prepare them for the Illinois Mathematics Content Test. They also need to register for the minor in secondary education (p. 175). Students should speak with both the mathematics and education departments for course advising.

Standards
Courses taken as pass/fail will be given a pass only for work at or above the C- level. The average grade for all courses taken in mathematics must be C- or higher. All courses presented for the major and the minor(s) must be completed with an overall GPA of 2.7 in the major. Repeated courses in the major or minor require specific approval.

Requirements for the Concentration
Students choosing this concentration must complete the 27 credit hour core requirements listed above. Five additional courses are required as follows:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>MATH 316</td>
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</tr>
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<td>MATH 317</td>
<td>GEOMETRY</td>
<td>3</td>
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<tr>
<td>MATH 318</td>
<td>NUMBER THEORY</td>
<td>3</td>
</tr>
<tr>
<td>MATH 320</td>
<td>INTRODUCTION TO ABSTRACT ALGEBRA</td>
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<td>MATH 307</td>
<td>DIFFERENTIAL EQUATION/MODELING</td>
<td>3</td>
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<tr>
<td>MATH 309</td>
<td>DATA MINING</td>
<td>3</td>
</tr>
<tr>
<td>MATH 323</td>
<td>COOPERATION AND COMPETITION -- GAME THEORY AND APPLICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 328</td>
<td>LINEAR PROGRAMMING &amp; OPTIMIZATION</td>
<td>3</td>
</tr>
<tr>
<td>MATH 339</td>
<td>BASEBALL STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 389</td>
<td>SPECIAL TOPICS (Requires Chair Approval)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 390</td>
<td>INDUSTRIAL RESEARCH PROBLEMS (Experiential Learning Course)</td>
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</tbody>
</table>

Concentration in Statistics
The concentration in statistics prepares graduates for diverse and vital areas that may include medical research, drug testing, environmental
risk assessment, quality assurance, economic forecasting, and the exploration of space.

Requirements for the concentration

Students choosing this concentration must complete the 27 credit hour core requirements listed above. Five additional courses are required as follows:

<table>
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<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>Courses required for the Statistics Concentration</td>
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<tr>
<td>MATH 347</td>
<td>PROBABILITY THEORY</td>
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</tr>
<tr>
<td>MATH 348</td>
<td>MATHEMATICAL STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 349</td>
<td>REGRESSION &amp; TIME SERIES</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>Select two of the following:</td>
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<td>MATH 307</td>
<td>DIFFERENTIAL EQUATION/MODELING</td>
<td></td>
</tr>
<tr>
<td>MATH 309</td>
<td>DATA MINING</td>
<td></td>
</tr>
<tr>
<td>MATH 323</td>
<td>COOPERATION AND COMPETITION -- GAME THEORY AND APPLICATIONS</td>
<td></td>
</tr>
<tr>
<td>MATH 328</td>
<td>LINEAR PROGRAMMING &amp; OPTIMIZATION</td>
<td></td>
</tr>
<tr>
<td>MATH 339</td>
<td>BASEBALL STATISTICS</td>
<td></td>
</tr>
<tr>
<td>MATH 369</td>
<td>MODELS FOR LIFE CONTINGENCIES</td>
<td></td>
</tr>
<tr>
<td>MATH 389</td>
<td>SPECIAL TOPICS</td>
<td></td>
</tr>
<tr>
<td>MATH 390</td>
<td>INDUSTRIAL RESEARCH PROBLEMS (Experiential Learning Course)</td>
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</tr>
</tbody>
</table>

Total Credit Hours: 15

In addition, a minor in science that uses statistics is required. Approved minor areas for the BA degree with a concentration in statistics are:

- Biology (p. 145)
- Chemistry (p. 146)
- Computer Science (p. 146)
- Economics (p. 147)
- Environmental Sciences (p. 148)
- Psychology (p. 156)
- Sociology (p. 157)

**CORE Requirements (General Education)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>First Year Success Course or Transfer Success Course</td>
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</tr>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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<tr>
<td>Communication Requirement</td>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
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<tr>
<td>Ideas Across Disciplines</td>
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<td></td>
</tr>
<tr>
<td>3 credits in coursework categorized as Ideas.</td>
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<td></td>
</tr>
<tr>
<td>Humanities and Fine and Performing Arts</td>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Mathematics</td>
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<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above) 1</td>
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<tr>
<td>Science</td>
<td></td>
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<tr>
<td>One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)</td>
<td>7-8</td>
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<tr>
<td>Social Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Experiential Learning</td>
<td></td>
<td></td>
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<tr>
<td>6 credits from coursework categorized as Experiential Learning.</td>
<td>6</td>
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</table>

Total Credit Hours: 47-48

1. Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

**Year 1**

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
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<tbody>
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<tr>
<td>MATH 121</td>
<td>3 CST 150</td>
</tr>
<tr>
<td>FYS 101</td>
<td>1 Ideas Across Disciplines</td>
</tr>
<tr>
<td>BIOL 111 or 112</td>
<td>4 MATH 122</td>
</tr>
</tbody>
</table>

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.
<table>
<thead>
<tr>
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<table>
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<th>Fall</th>
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<th>Spring</th>
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<tbody>
<tr>
<td>MATH 231</td>
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<td>MATH 232</td>
<td>7</td>
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<tr>
<td>Humanities #2</td>
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<td>MATH 246</td>
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</tr>
<tr>
<td>COMM 101</td>
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<td>General Elective</td>
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<tr>
<td>Social Science</td>
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|                     | 14           |               | 16           |

### Year 3

<table>
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<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

|                     | 16           |               | 15           |

### Year 4

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probability or Statistics Course</td>
<td>3</td>
<td>MATH 3XX</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3XX</td>
<td>3</td>
<td>Experiential Learning #2</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

|                     | 15           |               | 15           |

**Total Credit Hours 120**

1. Or course towards an optional Minor.
2. Any course at the 200 level within the discipline.
3. Any course at the 300 level within the discipline.
4. Two Experiential Learning Courses are required. Students are encouraged to take MATH 390 INDUSTRIAL RESEARCH PROBLEMS, MATH 349 REGRESSION & TIME SERIES, or SEED 360 STUDENT TEACHING SEMINAR: SECONDARY EDUCATION to satisfy this requirement.
5. One Natural Science course must have a lab
6. ECON 234 is recommended as it can act as a prerequisite for many of the courses in the major.
7. Where a student begins their math sequence depends on their placement, and so some students will start in MATH 231 CALCULUS I. Students should take this sequence of courses each semester until they complete MATH 232 CALCULUS II; they should take MATH 233 CALCULUS III in the next possible fall term.

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different. A three-year degree plan is shown below for the well-prepared student who has the time available to take 18-credits in the fall and spring terms as well as the ability to take summer courses.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Spring Hours</th>
<th>Credit Summer Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>3</td>
<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>CST 150</td>
<td>4 General Elective</td>
</tr>
<tr>
<td>MATH 231</td>
<td>5 Ideas Across Disciplines</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Humanities #1</td>
<td>3 Physical Science</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

|                     | 15           |               | 18           |

### Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Spring Hours</th>
<th>Credit Summer Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 234</td>
<td>3</td>
<td>MATH 246</td>
<td>3 Experiential Learning</td>
</tr>
<tr>
<td>COMM 101</td>
<td>3</td>
<td>Math 3XX</td>
<td>3</td>
</tr>
<tr>
<td>MATH 233</td>
<td>3</td>
<td>Experiential Learning Course #1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 245</td>
<td>3</td>
<td>MATH 3XX</td>
<td>3</td>
</tr>
<tr>
<td>MATH 290</td>
<td>1</td>
<td>General Elective #1</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

|                     | 17           |               | 18           |

### Year 3

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Spring Hours</th>
<th>Credit Summer Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>3</td>
<td>MATH 352</td>
<td>3 General Elective</td>
</tr>
<tr>
<td>MATH 3XX</td>
<td>3</td>
<td>Social Science #3</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective #1</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective #1</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>Experiential Learning Course #2</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>MATH 3XX</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

|                     | 18           |               | 18           |

**Total Credit Hours 120**

1. Or course towards an optional Minor.
2. Any course at the 200 level within the discipline.
3. Any course at the 300 level within the discipline.
Four Experiential Learning Courses are required. Students are encouraged to take MATH 390 INDUSTRIAL RESEARCH PROBLEMS, MATH 349 REGRESSION & TIME SERIES, or SEED 360 STUDENT TEACHING SEMINAR: SECONDARY EDUCATION to satisfy this requirement.

One Natural Science course must have a lab
Or other social science course. ECON 234 ELEMENTARY STATISTICS is recommended as it can act as a prerequisite for many of the courses in the major.

Mathematics, BS

At Roosevelt, the bachelor's degree in mathematics prepares graduates for a variety of professions (https://mathcareers.maa.org) as well as for continuing study at the graduate level. Students will gain analytical, quantitative, and problem-solving skills. Students will also learn to apply the ideas of mathematics to other fields of knowledge and to communicate mathematics effectively.

Mathematics is a beautiful and interesting subject that involves statistics, numbers, functions, shapes, and structures. These concepts are logically interconnected and develop into a fascinating theory. They are also used to solve real world problems from a wide variety of areas, including data science, science, computer science, social science, finance, and business. The study of mathematics provides training in disciplined thought and analysis.

Students who wish to teach mathematics at the high school level should minor in secondary education and as well as take the mathematics courses included in the Concentration in Secondary Education. The Secondary Education Minor (p. 175) page provides more detail.

Prerequisites

All students who plan to major or minor in Mathematics must see a Math advisor before registering. Some students may need prerequisite courses. Advanced placement in Mathematics is possible for well-prepared students. All prerequisite courses must be completed with grades of C- or higher.

Requirements

All credit must be approved by the Mathematics faculty to be applied toward the major. At least four of the courses beyond MATH 233 CALCULUS III must be completed at Roosevelt University.

Once a student begins taking math classes at Roosevelt, any additional courses taken outside of the university must get pre-approval in writing from the department chair in order to apply them to the math major.

Requirements for a major in Mathematics leading to the BS degree consists of the core and elective courses listed below. This is 42 credit hours, although it may vary slightly for transfer students (who took, for example, a 4 credit-hour calculus 1 course).

In addition, a minor or a supporting sequence of at least 15 credit hours in a science is required. Approved areas for the BS degree are:

- Actuarial Science (p. 144)
- Biology (p. 145)
- Chemistry (p. 146)
- Computer Science (p. 146) (courses must be numbered above 115)
- Physical Science Supporting Sequence (courses must be at or above PHSC 103 GLOBAL CLIMATE CHANGE)
- Psychology (p. 156)
- Students who transfer in 15 credits in physics may use those for the supporting sequence.

Transfer students who have taken extensive coursework in physics or engineering should seek approval for this supporting sequence from the chair.

A total of at least 60 credit hours in actuarial science, mathematics, computer science, the natural sciences, or psychology is required. (Note that the completion of the standard general education requirements, the major requirements, and the science minor or supporting sequence will typically result in at least 60 semester hours.)

Code Title Credit Hours

<table>
<thead>
<tr>
<th>Core</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 232</td>
<td>CALCULUS II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 233</td>
<td>CALCULUS III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 245 &amp; MATH 290</td>
<td>DISCRETE STRUCTURES and INTRODUCTION TO PROOF</td>
<td>4</td>
</tr>
<tr>
<td>MATH 246</td>
<td>LINEAR ALGEBRA</td>
<td>3</td>
</tr>
<tr>
<td>MATH 320</td>
<td>INTRODUCTION TO ABSTRACT ALGEBRA</td>
<td>3</td>
</tr>
<tr>
<td>MATH 352</td>
<td>ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 390</td>
<td>INDUSTRIAL RESEARCH PROBLEMS (EXL and Capstone Course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives for the Math B.S.

Select a course in probability or statistics 3
MATH 309 DATA MINING
MATH 339 BASEBALL STATISTICS
MATH 347 PROBABILITY THEORY
MATH 348 MATHEMATICAL STATISTICS
MATH 349 REGRESSION & TIME SERIES
Two 300 level electives 6

Concentration or Minor in approved area 15

Required programming course
CST 150 COMPUTER SCIENCE I 4

General Education, University Writing Requirement, and Electives 1

Courses to total 120 63

Total Credit Hours 120

1. Students who wish to teach at the middle school or high school level should choose electives using the concentration in Secondary Education. Students who wish to have a statistics concentration should choose electives from the list in that section.

Additional concentration in Secondary Education

Students pursuing a concentration in Secondary Education will take courses that prepare them for the Illinois Mathematics Content Test. They also need to register for the minor in secondary education (p. 175). Students should speak with both the mathematics and education departments for course advising.
Standards
Courses taken as pass/fail will be given a pass only for work at or above the C- level. The average grade for all courses taken in mathematics must be C- or higher. In order to satisfy state teacher requirements, all courses presented for the major and the minor(s) must be completed with an overall GPA of 2.7 in the major. Repeated courses in the major or minor require specific approval.

Requirements for the concentration
Students choosing this concentration must complete the 30 credit hours of core requirements listed above along with a minor or concentration in a science. Three additional courses are required as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 316</td>
<td>HISTORY OF MATHEMATICS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 317</td>
<td>GEOMETRY</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one of the following Probability and Statistics courses:</td>
<td>3</td>
</tr>
<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
<td></td>
</tr>
<tr>
<td>MATH 347</td>
<td>PROBABILITY THEORY</td>
<td></td>
</tr>
<tr>
<td>MATH 339</td>
<td>BASEBALL STATISTICS</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 9

Additional concentration in Statistics
Requirements for the Concentration
Students choosing this concentration must complete the 30 credit hours of core requirements listed above along with a minor or concentration in a science. Four additional courses are required as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 347</td>
<td>PROBABILITY THEORY</td>
<td>3</td>
</tr>
<tr>
<td>MATH 348</td>
<td>MATHEMATICAL STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 349</td>
<td>REGRESSION &amp; TIME SERIES</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives
Select one of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 307</td>
<td>DIFFERENTIAL EQUATION/MODELING</td>
<td></td>
</tr>
<tr>
<td>MATH 309</td>
<td>DATA MINING</td>
<td></td>
</tr>
<tr>
<td>MATH 323</td>
<td>COOPERATION AND COMPETITION -- GAME THEORY AND APPLICATIONS</td>
<td></td>
</tr>
<tr>
<td>MATH 328</td>
<td>LINEAR PROGRAMMING &amp; OPTIMIZATION</td>
<td></td>
</tr>
<tr>
<td>MATH 339</td>
<td>BASEBALL STATISTICS</td>
<td></td>
</tr>
<tr>
<td>MATH 369</td>
<td>MODELS FOR LIFE CONTINGENCIES</td>
<td></td>
</tr>
</tbody>
</table>

Alternate courses may be approved by advisor

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 389</td>
<td>SPECIAL TOPICS (Requires Chair approval)</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 12

CORE Requirements (General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
</tbody>
</table>

Communication Requirement

ENG 101 COMPOSITION I: CRITICAL READING & WRITING
ENG 102 COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH
COMM 101 PUBLIC SPEAKING (or program specific CORE communications course)

Ideas Across Disciplines
3 credits in coursework categorized as Ideas.

Humanities and Fine and Performing Arts
9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women’s and Gender Studies

Mathematics
MATH 110 QUANTITATIVE LITERACY (or above)

Science
One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)

Social Sciences
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies

Experiential Learning
6 credits from coursework categorized as Experiential Learning.

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).
Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>3</td>
<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>Ideas Across Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>MATH 121^{8}</td>
<td>3</td>
<td>CST 150</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 111 or 112^{2}</td>
<td>4</td>
<td>MATH 122^{8}</td>
<td>3</td>
</tr>
<tr>
<td>Humanities #1</td>
<td>3</td>
<td>Physical Science 2</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 231^{8}</td>
<td>5</td>
<td>MATH 232^{8}</td>
<td>5</td>
</tr>
<tr>
<td>Humanities #2</td>
<td>3</td>
<td>MATH 246</td>
<td>3</td>
</tr>
<tr>
<td>Social Science #1^{7}</td>
<td>3</td>
<td>Social Science #2^{7}</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective^{1}</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Year 3

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 233</td>
<td>3</td>
<td>MATH 352</td>
<td>3</td>
</tr>
<tr>
<td>MATH 245</td>
<td>3</td>
<td>MATH 390^{4}</td>
<td>3</td>
</tr>
<tr>
<td>MATH 290</td>
<td>1</td>
<td>Science Minor or Sequence^{5}</td>
<td>3</td>
</tr>
<tr>
<td>Social Science #3^{7}</td>
<td>3</td>
<td>General Elective^{1}</td>
<td>3</td>
</tr>
<tr>
<td>Humanities #3</td>
<td>3</td>
<td>MATH 320</td>
<td>3</td>
</tr>
<tr>
<td>Science Minor or Sequence^{5}</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Year 4

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probability or Statistics Course</td>
<td>3</td>
<td>Science Minor or Sequence^{5}</td>
<td>3</td>
</tr>
<tr>
<td>Science Minor or Sequence^{5}</td>
<td>3</td>
<td>General Elective^{1}</td>
<td>3</td>
</tr>
<tr>
<td>Science Minor or Sequence^{5}</td>
<td>3</td>
<td>MATH 3XX^{3}</td>
<td>3</td>
</tr>
<tr>
<td>Experiential Learning Course #2^{4,6}</td>
<td>3</td>
<td>General Elective^{1}</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3XX^{3}</td>
<td>3</td>
<td>General Elective^{1}</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 122

1. Or course towards an optional Minor.
2. One Natural Science course must have a lab.
3. Any course at the 300 level within the discipline.
4. Satisfies CORE Experiential Learning requirement.
5. See advisor for coursework.
6. Experiential Learning course must be 200/300 level. MATH 349 REGRESSION & TIME SERIES is recommended.
7. ECON 234 ELEMENTARY STATISTICS is recommended as it can act as a prerequisite for many of the courses in the major.
8. Where a student begins their math sequence depends on their placement, and so some students will start in MATH 231 CALCULUS I. Students should take this sequence of courses each semester until they complete MATH 232 CALCULUS II; they should take MATH 233 CALCULUS III in the next possible fall term.

### Medical Technology, BS

Health care professions separate from nursing, medicine, and pharmacy provide a range of diagnostic, technical, therapeutic and direct patient care and support services that are critical to other health professionals they work with and the patients they serve.

The overall employment outlook for individuals with professional certifications varies, but is projected to be good to excellent by the U.S. Bureau of Labor Statistics. The BS degrees include Diagnostic Medical Sonography, Histotechnology, Medical Technology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography. These areas involve completing required course work at Roosevelt University, followed by clinical training at the appropriate affiliate clinical site. A separate application to the clinical training program is required, and acceptance is not guaranteed. Roosevelt University offers five programs with clinical training at Northwestern Memorial Hospital, Chicago (Diagnostic Medical Sonography, Histotechnology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography (https://clinicalschools.nm.org/)) and one program with clinical training at NorthShore Health Systems, Evanston (Medical Technology (https://www.northshore.org/academics/academic-programs/other-programs/medical-technology/)).

### Requirements

Courses taken for the major must be taken on a letter grade basis. A grade of C- is the minimal acceptable grade for a course to be applied to the major, or to be acceptable as a prerequisite for subsequent courses. A minimum cumulative GPA of 2.0 is required for all courses in the major. However, it is important to note that the clinical affiliates have their own GPA requirements and may not accept grades of C- for certain required prerequisite courses.

Each of the areas of study has its own prerequisite courses and requirements. These programs require students to complete all required coursework before applying to the clinical affiliate. Students are not guaranteed admission into the clinical training portion of the degree. Students must make certain they are fully aware of each area’s specific acceptance requirements. Students interested in these health care careers should seek early guidance from the health coordinator in the Department of Biological, Physical, and Health Sciences.

### Standards

- AP biology credit with a score of 3.0 or higher may apply toward the major in biology or the general education requirements after consultation with an advisor.
- AP chemistry with a score of 4 or higher satisfies the requirements for CHEM 201 GENERAL CHEMISTRY I with lab.
- AP Physics I (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab.
• AP Physics II (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab.
• AP Physics C: Mechanics with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab and PHYS 232 CALCULUS-BASED PHYSICS I DISCUSSION.
• AP Physics C: Electricity and Magnetism with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab and PHYS 234 CALCULUS-BASED PHYSICS II DISCUSSION.

In addition, students must:
• Take a minimum of their last 30 credit hours at Roosevelt University; off-site clinical courses count toward this requirement.
• Take at least 20 credit hours in acceptable Biology, Chemistry, or Physics courses at Roosevelt University; not more than 15 credit hours of acceptable Biology courses may be transferred to Roosevelt University and applied toward the BS degree.
• Once enrolled in the program, complete all remaining Biology, Chemistry, Physics, and Mathematics course requirements for these BS degrees at Roosevelt University. Under special circumstances, written permission to take required courses elsewhere may be granted by the health coordinator.
• Apply only courses in biology taken within the past eight years toward graduation.
• Limit to 4 credit hours the total of independent study hours (Biol 395 INDEPENDENT STUDY/BCHM 395 INDEPENDENT STUDY/Chem 395 INDEPENDENT STUDY/Phys 395 INDEPENDENT STUDY) and independent research (Biol 392 RESEARCH IN BIOLOGY/BCHM 392 RESEARCH IN BIOCHEMISTRY/Chem 392 RESEARCH IN CHEMISTRY/Phys 392 RESEARCH IN PHYSICS) used to fulfill the requirements of the major.

Medical Technology is one of the most rapidly expanding branches of medical science, with the demand for qualified clinical laboratory scientists far exceeding the number of trained people available. The Medical Technologist program at Roosevelt University prepares students for careers in this continually expanding health care field. Medical technologists perform a variety of tests on blood, tissues, and body fluids using the techniques of hematology, microbiology, immunohematology, clinical chemistry, and urinalysis. They work in conjunction with pathologists, physicians, or scientists in hospital laboratories. American Society for Clinical Pathology (ASCP) certified Medical Laboratory Technicians or students with ASCP approved equivalent training may be eligible for advanced standing and allowed to complete the BS in Medical Technology degree. Contact an advisor in the Department of Biological, Chemical, and Physical Sciences for details and advising as soon as possible. This is a 3+1 program in which the first three years of course work is completed at Roosevelt University with the final year completed at the clinical affiliate site at NorthShore University Health System Evanston.

Admission

Admission to the clinical training program is at the discretion of the clinical affiliate, NorthShore University Health System Evanston. Students are not guaranteed admission. The minimum GPA for application to this program is a 2.8 overall GPA and a 2.8 GPA in science and math courses. Please refer to the NorthShore University Health System website (https://www.northshore.org/academics/academic-programs/other-programs/medical-technology/) for more information about the application process. Students in clinical training are registered through Roosevelt University and pay Roosevelt University tuition. There is no additional tuition charge for the clinical portion of the program.

Requirements

Medical technology students complete a minimum of 88 credit hours of academic course work, including the University Writing Requirement and the College of Arts and Sciences general education requirements, in addition to the Medical Technology requirements outlined below. Students must take their final 30 credit hours before the clinical training at Roosevelt University. The last 32 credit hours are completed in a one-year, full-time, daytime clinical training program at the NorthShore University Health System Health System Evanston*. Upon successful completion of the clinical program, students receive the Certificate in Medical Technology from the hospital and a BS in Medical Technology from Roosevelt University and are eligible to sit for the ASCP certification examination.

• Acceptance into the clinical training is not guaranteed and is at the discretion of the clinical site

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 360</td>
<td>MICROBIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 367</td>
<td>IMMUNOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
<td>5</td>
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<tr>
<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
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<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I (with lab)</td>
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<td>CHEM 212</td>
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<td>MATH 121</td>
<td>COLLEGE ALGEBRA</td>
<td>3</td>
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<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
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Clinical Courses in Medical Technology

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<thead>
<tr>
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<tr>
<td>ALH 321</td>
<td>CLINICAL MICROBIOLOGY - VIROLOGY</td>
<td>2</td>
</tr>
<tr>
<td>ALH 322</td>
<td>CLINICAL CHEMISTRY</td>
<td>5</td>
</tr>
<tr>
<td>ALH 323</td>
<td>CLINICAL IMMUNOLOGY/STEROLOGY</td>
<td>5</td>
</tr>
<tr>
<td>ALH 324</td>
<td>CLINICAL IMMUNOHEMATOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>ALH 325</td>
<td>CLINICAL MICROSCOPY/JURINALYSIS</td>
<td>3</td>
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<td>ALH 326</td>
<td>CLINICAL EDUCATION II</td>
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</tr>
<tr>
<td>ALH 327</td>
<td>PHLEBOTOMY</td>
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</tr>
<tr>
<td>ALH 328</td>
<td>MOLECULAR DIAGNOSTICS</td>
<td>3</td>
</tr>
<tr>
<td>ALH 329</td>
<td>MANAGEMENT AND EDUCATION</td>
<td>2</td>
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General Education, University Writing Requirement, and Electives

<table>
<thead>
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<tbody>
<tr>
<td></td>
<td>Total credits for degree</td>
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<table>
<thead>
<tr>
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<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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Communication Requirement

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Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
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<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>ENG 102</td>
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</tr>
<tr>
<td>ENG 101</td>
<td>3</td>
<td>CHEM 202</td>
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<tr>
<td>CHEM 201</td>
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<td>BIOL 201</td>
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<td>MATH 121</td>
<td>3</td>
<td>Ideas Across the Discipline</td>
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</tr>
<tr>
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### Year 2

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<td>MATH 217</td>
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<tr>
<td>COMM 101</td>
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<td>Social Science #1</td>
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<tr>
<td>Humanities #2</td>
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<td>Humanities #3</td>
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### Year 3

<table>
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<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 360</td>
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<td>BIOL 367</td>
<td>5</td>
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<tr>
<td>Social Science #2</td>
<td>3</td>
<td>General Elective 1</td>
<td>3</td>
</tr>
<tr>
<td>Experiential Learning #1 2</td>
<td>3</td>
<td>Social Science #3</td>
<td>3</td>
</tr>
<tr>
<td>General Elective 1</td>
<td>3</td>
<td>Experiential learning #2</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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### Year 4

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<th>Spring</th>
<th>Credit Hours</th>
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</thead>
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<td>ALH 323</td>
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<td>3</td>
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<tr>
<td>ALH 325</td>
<td>3</td>
<td>ALH 327</td>
<td>1</td>
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<tr>
<td>ALH 328</td>
<td>3</td>
<td>ALH 329</td>
<td>2</td>
</tr>
<tr>
<td>ALH 329</td>
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<td></td>
<td></td>
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<td><strong>Total</strong></td>
<td><strong>18</strong></td>
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<td><strong>14</strong></td>
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</table>

Total Credit Hours 121

1. Or course towards an optional Minor.
2. Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement.

### Mental Health Concentration

The Concentration in Mental Health allows undergraduates to learn about psychological well being and distress, personality, and the ways that mental health professionals address these concerns. This concentration sequence also includes an internship course that provides students with first-hand experience assisting others in the community. This concentration is well suited for students who will pursue graduate training in the helping professions, or for those who may be employed in entry-level mental health positions after graduation.
Requirements

Five courses (15 credit hours) are needed to earn a Concentration in Mental Health. Three of these courses are required, and students choose two electives from a list of options.

All courses must be passed with a grade of C- or higher. A minimum cumulative GPA of 2.0 is required for all courses in the concentration. Only one class can be transferred from another institution.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYC 201</td>
<td>ABNORMAL PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 243</td>
<td>THEORIES OF PERSONALITY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 393</td>
<td>INTERNSHIP IN PSYCHOLOGY</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 270</td>
<td>PSYCHOLOGICAL TESTS</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 319</td>
<td>CHILD &amp; ADOLESCENT PSYCHOPATHOLOGY</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 347</td>
<td>HEALTH PSYCHOLOGY</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 375</td>
<td>COUNSELING AND CLINICAL INTERVENTIONS</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Neuroscience Concentration

The Neuroscience Concentration allows students to study the biological basis of behavior and organizational principles of brain functioning in depth. Students are encouraged to take courses in both Psychology and Biology because of the field's interdisciplinary nature; however, students can meet concentration requirements from classes offered by the Department of Psychology alone. This concentration is well suited for students planning to go on to clinical neuropsychology, medicine, pharmacology, neuroscience, or allied health fields.

Requirements

Four courses (at least 12 credit hours) are required from the list below. One of the four courses must have a service learning component or a laboratory component.

Only one elective class can be transferred from another institution. All courses must be passed with a grade of C- or higher. A minimum cumulative GPA of 2.0 is required for all courses in the concentration.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 325</td>
<td>SENSATION AND PERCEPTION</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 326</td>
<td>COGNITIVE PROCESSES</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 336</td>
<td>BRAIN AND BEHAVIOR</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 350</td>
<td>HUMAN NEUROPSYCHOLOGY</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 12

\(^1\) Meets the service learning/laboratory requirement for the concentration.

Nuclear Medicine Technology, BS

Health care professions separate from nursing, medicine, and pharmacy provide a range of diagnostic, technical, therapeutic and direct patient care and support services that are critical to other health professionals they work with and the patients they serve.

The overall employment outlook for individuals with professional certifications varies, but is projected to be good to excellent by the U.S. Bureau of Labor Statistics. The BS degrees include Diagnostic Medical Sonography, Histotechnology, Medical Technology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography. These areas involve completing required course work at Roosevelt University, followed by clinical training at the appropriate affiliate clinical site. A separate application to the clinical training program is required, and acceptance is not guaranteed. Roosevelt University offers five programs with clinical training at Northwestern Memorial Hospital, Chicago (Diagnostic Medical Sonography, Histotechnology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography (https://clinicalschools.nm.org/)) and one program with clinical training at NorthShore Health Systems, Evanston (Medical Technology (https://www.northshore.org/academics/academic-programs/other-programs/medical-technology/)).

Requirements

Courses taken for the major must be taken on a letter grade basis. A grade of C- is the minimal acceptable grade for a course to be applied to the major, or to be acceptable as a prerequisite for subsequent courses. A minimum cumulative GPA of 2.0 is required for all courses in the major. However, it is important to note that the clinical affiliates have their own GPA requirements and may not accept grades of C- for certain required prerequisite courses.

Each of the areas of study has its own prerequisite courses and requirements. These programs require students to complete all required coursework before applying to the clinical affiliate. Students are not guaranteed admission into the clinical training portion of the degree. Students must make certain they are fully aware of each area's specific acceptance requirements. Students interested in these health care careers should seek early guidance from the health coordinator in the Department of Biological, Physical, and Health Sciences.

Standards

- AP biology credit with a score of 3.0 or higher may apply toward the major in biology or the general education requirements after consultation with an advisor.
- AP chemistry with a score of 4 or higher satisfies the requirements for CHEM 201 GENERAL CHEMISTRY I with lab.
- AP Physics I (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab.
- AP Physics II (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab.
- AP Physics C: Mechanics with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab and PHYS 233 CALCULUS-BASED PHYSICS I DISCUSSION.
• AP Physics C: Electricity and Magnetism with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab and PHYS 234 CALCULUS-BASED PHYSICS II DISCUSSION.

In addition, students must:

• Take a minimum of their last 30 credit hours at Roosevelt University; off-site clinical courses count toward this requirement.
• Take at least 20 credit hours in acceptable Biology, Chemistry, or Physics courses at Roosevelt University; not more than 15 credit hours of acceptable Biology courses may be transferred to Roosevelt University and applied toward the BS degree.
• Once enrolled in the program, complete all remaining Biology, Chemistry, Physics, and Mathematics course requirements for these BS degrees at Roosevelt University. Under special circumstances, written permission to take required courses elsewhere may be granted by the health coordinator.
• Apply only courses in biology taken within the past eight years toward graduation.
• Limit to 4 credit hours the total of independent study hours (BIOL 395 INDEPENDENT STUDY/BCBM 395 INDEPENDENT STUDY/CHM 395 INDEPENDENT STUDY/PHYS 395 INDEPENDENT STUDY) and independent research (BIOL 392 RESEARCH IN BIOLOGY/BCBM 392 RESEARCH IN BIOCHEMISTRY/CHM 392 RESEARCH IN CHEMISTRY/PHYS 392 RESEARCH IN PHYSICS) used to fulfill the requirements of the major.

The Nuclear Medicine Technology program at Roosevelt University prepares students for the careers as part of a health care team. Nuclear medicine technologists are involved in direct patient care. Nuclear medicine provides unique information about the structure and function of virtually every major organ system within the body. It is the ability to characterize and quantify physiologic function at the molecular level that separates nuclear medicine from other imaging modalities. Nuclear medical technologists work with physicians to administer radioactive nuclides for the diagnosis of disease and to provide therapy. Most nuclear medicine technologists work in hospitals. Contact an advisor in the Department of Biological, Chemical, and Physical Sciences for details regarding application and admission.

Requirements
Nuclear Medicine Technology students complete 86 credit hours of academic course work including the University Writing Requirement and the Arts and Sciences General Education requirements outlined below. Students must receive their final 30 credit hours before clinical training at Roosevelt University. They complete their last 36 credit hours in a one-year, full-time, daytime clinical training program at Northwestern Memorial Hospital*. Upon successful completion of the clinical program, students receive a Certificate in Nuclear Medicine Technology from the hospital and a BS in Nuclear Medicine Technology from Roosevelt University, and are eligible to sit for the Nuclear Medicine Technology Certification Boards examination.

* Acceptance into the clinical training is not guaranteed and is at the discretion of the clinical site.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
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<td>ANATOMY &amp; PHYSIOLOGY I (with lab)</td>
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<td>BIOL 124</td>
<td>ANATOMY &amp; PHYSIOLOGY II (with lab)</td>
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</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 210</td>
<td>SURVEY OF ORGANIC CHEMISTRY (with lab)</td>
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<td>or CHEM 211</td>
<td>ORGANIC CHEMISTRY I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 121</td>
<td>COLLEGE ALGEBRA</td>
<td>3</td>
</tr>
<tr>
<td>MATH 122</td>
<td>TRIGONOMETRY AND PRECALCULUS</td>
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<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
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<td>PHYS 201</td>
<td>INTRODUCTION TO NON-CALCULUS BASED PHYSICS I (with lab)</td>
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<td>PHYS 202</td>
<td>INTRO TO NON-CALCULUS PHYSICS II (with lab)</td>
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Clinical Courses in Nuclear Medicine Technology

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<td>ALH 340</td>
<td>MANAGEMENT AND METHODS OF PATIENT CARE I</td>
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<td>ALH 341</td>
<td>RADIATION BIOLOGY</td>
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<td>ALH 342</td>
<td>CLINICAL EDUCATION IV WITH SPECIALTIES</td>
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<tr>
<td>ALH 344</td>
<td>DIAGNOSTIC NUCLEAR IMAGING CLINICAL PRACTICUM I</td>
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<tr>
<td>ALH 345</td>
<td>RADIATION SAFETY &amp; PROTECTION</td>
<td>3</td>
</tr>
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<td>ALH 346</td>
<td>RADIONUCLIDE CHEM &amp; RADIOPHARM</td>
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<td>ALH 347</td>
<td>CLINICAL CORRELATION-PATHOLOGY</td>
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<tr>
<td>ALH 348</td>
<td>DIAGNOSTIC NUCLEAR IMAGING PRACTICUM II</td>
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<td>ALH 349</td>
<td>CLINICAL NUCLEAR IMAGING PROCEDURE</td>
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<td>ALH 350</td>
<td>RADIATION PHYSICS &amp; INSTRUMENTATION</td>
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<td>COMPUTED TOMOGRAPHY AND CROSS-SECTIONAL ANATOMY</td>
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ALH 371  CLINICAL NUCLEAR MEDICINE PROCEDURES II  3
ALH 372  MANAGEMENT AND METHODS OF PATIENT CARE II  1

General Education, University Writing Requirement, and Electives  36
Core Requirements  50
Clinical Requirements  36
Total credits for degree  122

**CORE Requirements (General Education)**

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<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
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**Ideas Across Disciplines**
- 3 credits in coursework categorized as Ideas. 3

**Humanities and Fine and Performing Arts**
- 9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women’s and Gender Studies 9

**Mathematics**
- MATH 110 QUANTITATIVE LITERACY (or above) 3

**Science**
- One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

**Social Sciences**
- 9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies 9

**Experiential Learning**
- 6 credits from coursework categorized as Experiential Learning. 6

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

**Year 1**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
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<tbody>
<tr>
<td>FYS 101</td>
<td>1 ENG 102</td>
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<tr>
<td>ENG 101</td>
<td>3 MATH 122</td>
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<tr>
<td>MATH 121</td>
<td>3 CHEM 202</td>
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<td>CHEM 201</td>
<td>5 Ideas Across the Discipline</td>
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<tr>
<td>Humanities #1</td>
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**Year 2**

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<td>4 BIOL 124</td>
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<td>CHEM 210 or 211</td>
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**Year 3**

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<td>PHYS 201</td>
<td>4 PHYS 202</td>
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<td>Humanities #3</td>
<td>3 General Elective</td>
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<td>Social Science #3</td>
<td>3 Experiential Learning #1</td>
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**Year 4**

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<tr>
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<td>ALH 344</td>
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<td>ALH 345</td>
<td>3 ALH 342</td>
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<td>ALH 347</td>
<td>2 ALH 346</td>
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<td>ALH 349</td>
<td>3 ALH 348</td>
</tr>
<tr>
<td>ALH 350</td>
<td>3 ALH 370</td>
</tr>
</tbody>
</table>
Paralegal Studies, BA

Program Description
The Bachelor of Arts in Paralegal Studies is an interdisciplinary program that combines a liberal arts/general education background with law-related specialty courses that provide students with communication, critical thinking, and analytical skills. The Paralegal Studies Program has been approved by the American Bar Association since 1976 and offers courses which provide training in legal terminology, procedures and a variety of legal practice areas giving students a solid foundation with which to begin their career. This program is designed for students who wish to pursue a career as a paralegal or other related positions in the legal field and is also an excellent choice for students interested in attending law school. Upon successful completion of their degree requirements, students earn both a Bachelor of Arts degree and a Paralegal Certificate.

Paralegals perform substantive legal work under the direct supervision of an attorney. Paralegals must have a solid understanding of legal concepts, and they perform a wide range of tasks including conducting interviews with clients and witnesses, gathering facts, researching the law, managing databases, assembling records, analyzing documents, drafting legal pleadings, drafting discovery items such as complaints and interrogatories, and maintaining conflict-of-interest systems. Experienced paralegals often accompany counsel during trial and help with document organization, witness preparation, and research. Paralegals may not provide legal services directly to the public, except as permitted by law.

Program Goals
The goals of the Paralegal Studies Program are for its students to:

1. Understand the basic concepts of substantive and procedural law including the operation of the legal system and the theory of law
2. Be able to work competently as a paralegal under the supervision of an attorney
3. Understand the ethical obligations of a paralegal

Curriculum
The program surveys paralegal employers, current students, and graduates on a regular basis to receive their insights on the curriculum and the needs of the legal community. The program also receives guidance from its board of advisors, composed of leading educators and members of the legal community. Students will know legal terminology, concepts, and procedures and will gain skills to draft a variety of legal documents. Students learn how to conduct legal research, both manually and online using Lexis and Westlaw (commonly used legal databases). They will learn, through hands-on training in a computer lab, litigation support and e-discovery applications. Students will be better prepared for law school and will participate in an internship course as part of their curriculum. Pursuant to American Bar Association Guidelines, students must take at least 9 credit hours of legal specialty courses (300-level PARA courses) through traditional classroom instruction. The program is not available in a fully online format.

Admission
Students may begin taking Paralegal Studies courses after completing 60 credit hours of coursework, with the exception of PARA 101 WHAT IS LAW? and PARA 301 ETHICS & PROFESSIONALISM. Students may take PARA 101 WHAT IS LAW? in their freshman year. Students may take PARA 301 ETHICS & PROFESSIONALISM in their sophomore year if they have completed the University Writing Requirement and have a 2.5 or higher grade point average. During the semester in which students will be completing the first 60 credit hours of their degree they must submit an application to the Paralegal Studies program. At this time, it is recommended that students have at least a 2.5 grade point average. The application form is available in the Admission section of the program’s website (https://www.roosevelt.edu/academics/programs/bachelors-in-paralegal-studies-bapl/).

Lambda Epsilon Chi, National Paralegal Honor Society
Roosevelt University maintains a chapter of Lambda Epsilon Chi (LEX), a national paralegal honor society founded by the American Association for Paralegal Education. Members are inducted in April and October of each year and receive a commemorative certificate and membership pin. Their names are entered into the permanent records of the Lambda Epsilon Chi national paralegal honor society.

Students take the introductory course, What is Law? In addition, the major requires 30 credit hours of paralegal courses. Grades of C or higher are required in all 300-level paralegal courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARA 101</td>
<td>WHAT IS LAW?</td>
<td>3</td>
</tr>
<tr>
<td>PARA 301</td>
<td>ETHICS &amp; PROFESSIONALISM</td>
<td>3</td>
</tr>
<tr>
<td>PARA 302</td>
<td>LEGAL RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>PARA 303</td>
<td>CIVIL LAW</td>
<td>3</td>
</tr>
<tr>
<td>PARA 304</td>
<td>LITIGATION I</td>
<td>3</td>
</tr>
<tr>
<td>PARA 305</td>
<td>COMMERCIAL LAW</td>
<td>3</td>
</tr>
<tr>
<td>PARA 306</td>
<td>ADVANCED LITIGATION AND E- DISCOVERY</td>
<td>3</td>
</tr>
<tr>
<td>PARA 325</td>
<td>LEGAL WRITING</td>
<td>3</td>
</tr>
<tr>
<td>PARA 329</td>
<td>LEGAL TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PARA 330</td>
<td>PARALEGAL INTERNSHIP II</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Paralegal</td>
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Students take one of the following:

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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PARA 309</td>
<td>REAL ESTATE</td>
</tr>
<tr>
<td>PARA 319</td>
<td>INTELLECTUAL PROPERTY</td>
</tr>
<tr>
<td>PARA 323</td>
<td>ESTATES, TRUSTS &amp; WILLS</td>
</tr>
<tr>
<td>PARA 327</td>
<td>CORPORATIONS AND LLC LAW</td>
</tr>
<tr>
<td>PARA 332</td>
<td>LABOR AND EMPLOYMENT LAW</td>
</tr>
<tr>
<td>PARA 333</td>
<td>PARALEGAL INTERNSHIP II</td>
</tr>
</tbody>
</table>

Total Paralegal Credit Hours (33)
General Education 87
Total Credit Hours 120

1 Paralegal elective courses run on a rotating basis throughout the academic year determined by market demand and student interest. Not all elective courses are offered every semester. Contact the program director for more information.

CORE Requirements (General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td>First Year Success Course or Transfer Success Course</td>
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</tr>
<tr>
<td>FYS 101</td>
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<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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Communication Requirement

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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific</td>
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<tr>
<td></td>
<td>CORE communications course)</td>
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</table>

Ideas Across Disciplines

3 credits in coursework categorized as Ideas. 3

Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women’s and Gender Studies

Mathematics

MATH 110 QUANTITATIVE LITERACY (or above) 1 3

Science

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

Social Sciences

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies

Experiential Learning

6 credits from coursework categorized as Experiential Learning. 6

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

• Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
• Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
• Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

TRANSFER OF PARALEGAL COURSES

Students pursuing a Bachelor of Arts degree in Paralegal Studies who have completed 15 or more credit hours of paralegal courses from an ABA-approved paralegal program (with a grade of C or better) that are no more than 6 years old, will be required to take only 18 credit hours of upper-division (300-level) paralegal courses. The 18 credit hours of paralegal courses will be selected in consultation with an academic advisor in the Paralegal Studies program. Credit hours earned for the paralegal courses at the previous program may transfer as general elective requirements.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
<td>ENG 101</td>
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<td>FYI 101</td>
<td>1 ENG 102</td>
<td>3</td>
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<tr>
<td>MATH 110</td>
<td>3 Humanities #2</td>
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<td>Humanities #1</td>
<td>3 General Elective</td>
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<tr>
<td>BIOL 111 or 112</td>
<td>4 PHYSICAL SCIENCE</td>
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<tr>
<td>GENERAL ELECTIVE</td>
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Year 2

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<th>Spring</th>
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<td>3 PARA 301</td>
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<tr>
<td>Social Science #1</td>
<td>3 Social Science #3</td>
<td>3</td>
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</tr>
<tr>
<td>Humanities #3</td>
<td>3 General Elective</td>
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<tr>
<td>Social Science #2</td>
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<td>GENERAL ELECTIVE</td>
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Year 3

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<th>Spring</th>
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<td>PARA 303</td>
<td>3 PARA 302</td>
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<td>PARA 304</td>
<td>3 PARA 325</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EXPERIENTIAL LEARNING #1</td>
<td>3 PARA 3XX</td>
<td>3</td>
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<tr>
<td>General Elective</td>
<td>3 General Elective</td>
<td>3</td>
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<tr>
<td>GENERAL ELECTIVE</td>
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Year 4

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<tr>
<td>PARA 306</td>
<td>3 PARA 330</td>
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</table>
Philosophy, BA

Philosophy offers a complete undergraduate program in the history and problems of philosophy. Our course offerings provide the intensive education necessary for students planning to use a major in Philosophy as the core of a liberal education, as well as for those intending to pursue graduate and professional studies.

The philosophy faculty is committed to the understanding that the purpose of education is to prepare one for living a good life, part of which is vocational, but part of which is not. In teaching our students how to carefully read thought-provoking texts that ask the big questions about life, think analytically and synthetically, and write incisively and in an organized manner, we provide students with skills suitable for every vocation while also giving them the ability to live well thought-out lives. We thus take seriously Socrates' remark that 'the unexamined life is not worth living for a human being.'

Requirements

Ten courses are required for the major in Philosophy. These courses include three core courses, six elective courses, and a senior research project. The senior research project is an independent study on a topic chosen by the student after consultation with the faculty. One year of a foreign language is strongly recommended.

Grades of C or higher must be earned in all Philosophy courses to be counted toward fulfillment of the major. Transfer students must complete at least 12 credit hours at Roosevelt University. For all majors, at least nine credit hours must be completed at the 300 level. Students majoring in Philosophy should check their requirements for graduation with an advisor soon after deciding to major in philosophy. Notification of candidacy for graduation should be given during the advisement period preceding the last semester before graduation.

- Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
Political Philosophy Concentration

The concentration in Political Philosophy is a 12-credit-hour program designed for students wishing to deepen their understanding of the political world through philosophical inquiry. Courses in this concentration consider the normative issues that shape political perspectives, considering questions about power, liberty, and happiness, among others. This concentration directly assists students interested in attending law school or graduate school in Philosophy or Political Science. It is also appropriate for those entering work in any area of political or community life, and serves as an integrated approach to satisfying general education requirements in the Humanities and Social Sciences, and can therefore complement a variety of majors.

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<td>JUSTICE, LIBERTY, EQUALITY or POS 104</td>
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<td>PHIL 206</td>
<td>PHILOSOPHY IN LITERATURE</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 210</td>
<td>LOGIC</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 250</td>
<td>ON HAPPINESS</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 324</td>
<td>POLITICS &amp; LITERATURE</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 331</td>
<td>PHILOSOPHY OF TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 350</td>
<td>PHILOSOPHY IN FILM</td>
<td>3</td>
</tr>
<tr>
<td>POS 321</td>
<td>CONTEMPORARY POLITICAL THOUGHT</td>
<td>3</td>
</tr>
<tr>
<td>POS 329</td>
<td>PHILOSOPHY OF LAW</td>
<td>3</td>
</tr>
<tr>
<td>POS 374</td>
<td>UNITED STATES CONSTITUTIONAL LAW</td>
<td>3</td>
</tr>
<tr>
<td>POS 375</td>
<td>CIVIL RIGHTS &amp; CIVIL LIBERTIES</td>
<td>3</td>
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</tbody>
</table>

Total Credit Hours 120

1. Or course towards an optional Minor.
2. PHIL course at any level.
3. Any course at the 300 level within the discipline.
4. Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement.
5. One Natural Science course must have a lab.

Political Science, BA

Political Science (https://www.roosevelt.edu/academics/programs/bachelors-in-political-science-ba/) is the study of government and political thought, and how the formal and informal institutions of power shape our lives. As a field of study, Political Science has a rich history, and thinkers in the field have influenced our understanding of critical questions about human societies, including: What is the best form of government? How can societies rebuild themselves after violent conflict? What causes war and what kinds of institutions can prevent it? Modern
Political Scientists grapple with an exceptional range of problems facing governments and citizens, including how to increase turnout in elections, how to foster cooperation between governments to fight climate change, and how to safeguard the rights of minorities and marginalized groups.

A major in Political Science is appropriate for students considering careers in law, political campaigns and elections, public policy, social justice advocacy, foreign service and diplomacy, non-governmental organizations, intelligence work, civil service and many more. Understanding politics is the key to understanding how American democracy functions, as well as how power is contested within societies and across the global arena. For this reason, many global leaders in the United States and around the world majored in political science, including several members of the U.S. Supreme Court, President Barack Obama, Secretaries of State John Kerry and Hillary Clinton, former Danish Prime Minister Helle Thorning-Schmidt and Indian Prime Minister Narendra Modi.

Roosevelt’s faculty in Political Science teach and research about a broad array of topics, including the role of race in American politics, human rights, environmental justice, terrorism, American electoral politics, social movements, and theories of democracy. What unites the faculty in the department is a commitment to the intellectual and social development of our students, as well as a shared belief that social justice can only be achieved with a robust understanding of the political world and the challenges awaiting the next generation of socially conscious leaders.

Political Science majors are encouraged to pursue a minor in related and complementary fields, such as Journalism (p. 153), International Studies (p. 152), Sustainability Studies (p. 157), and History (p. 151). Students who anticipate applying to law school should strongly consider a minor in Legal Studies (p. 153). Students interested in political theory may want to consider a concentration in Political Philosophy (p. 122).

Requirements

- Students must complete 11 courses in the major, with at least five courses at the 300 level.
- All courses in the major must be completed with a grade of C or higher.
- Transfer students must take at least six Political Science courses at Roosevelt University.
- Students planning to attend law school are strongly encouraged to pursue a minor in Legal Studies (p. 153).
- Students planning to pursue graduate study in political science should discuss with their advisors appropriate courses of study in languages and statistics.
- The major offers upper-level credit for internships. Please see your advisor for details.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 101</td>
<td>UNITED STATES POLITICS</td>
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</tr>
<tr>
<td>POS 102</td>
<td>INTRODUCTION TO COMPARATIVE POLITICS</td>
<td>3</td>
</tr>
<tr>
<td>POS 103</td>
<td>INTRODUCTION TO INTERNATIONAL RELATIONS</td>
<td>3</td>
</tr>
<tr>
<td>POS 104</td>
<td>INTRODUCTION TO POLITICAL THEORY</td>
<td>3</td>
</tr>
<tr>
<td>POS 2XX</td>
<td>One additional 200-level course in Political Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Seven electives in political science, five at the 300 level 21

General Education, University Writing Requirement, and Electives

Courses to total 120 87

Total Credit Hours 120

CORE Requirements (General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE or TRANSFER SUCCESS 101</td>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Ideas Across Disciplines

3 credits in coursework categorized as Ideas. 3

Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies 9

Mathematics

MATH 110 QUANTITATIVE LITERACY (or above) 1 3

Science

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

Social Sciences

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies 9

Experiential Learning

6 credits from coursework categorized as Experiential Learning. 6

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
Students may transfer in no more than 70 credit hours from community colleges.

Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.

Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.

Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS).

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>1 ENG 102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>3 Ideas Across Disciplines</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>POS 101, 102, 103, or 104</td>
<td>3 POS 101, 102, 103, or 104</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 110</td>
<td>3 Humanities #1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 111 or 112^5</td>
<td>4 Physical Science</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>14</td>
<td>15</td>
</tr>
</tbody>
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### Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 101</td>
<td>3 POS 2XX^2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>POS 101, 102, 103, or 104</td>
<td>3 Experiential Learning Class #1^4</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Humanities #2</td>
<td>3 Social Science #3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social Science #1</td>
<td>3 Humanities #3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social Science #2</td>
<td>3 General Elective^1</td>
<td>3</td>
<td></td>
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<tr>
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<td></td>
<td>15</td>
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</table>

### Year 3

<table>
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<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS ANY LEVEL</td>
<td>3 POS 3XX^3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Experiential Course #2^4</td>
<td>3 POS 3XX^3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective^1</td>
<td>3 General Elective^1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective^1</td>
<td>3 General Elective^1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GENERAL ELECTIVE</td>
<td>3 General Elective^1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective^1</td>
<td>1</td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<td>15</td>
</tr>
</tbody>
</table>

### Year 4

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3XX^3</td>
<td>3 POS 3XX^3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>POS 3XX^3</td>
<td>3 POS ANY LEVEL</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective^1</td>
<td>3 General Elective^1</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 120

1. Or course towards an optional Minor.
2. Any course at the 200 level within the discipline.
3. Any course at the 300 level within the discipline.
4. Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement.
5. One Natural Science course must have a lab.

### Pre-Health Professional Curricula

Preparation for admission to professional schools is provided at both the Chicago and Schaumburg campuses in the following programs: pre-medical, pre-dental, pre-pharmacy, pre-physician assistant, pre-physical therapy, pre-occupational therapy, pre-optometry, pre-podiatry and pre-veterinary.

**Pre-professional health is not considered a major, minor or concentration.** Therefore, students wishing to fulfill the requirements for preparation for professional school in addition to those for a BA or BS degree should declare their pre-professional status to their advisor as early as possible.

This information will make it easier for your academic advisors to provide you with the guidance you need in preparing for the course requirements, standardized tests and application processes involved in successfully entering these careers. The pre-professional designation will not appear on your official transcript, but it will appear on your advising records.

In addition to completing the pre-professional designation form, pre-professional students should see a pre-professional advisor at Roosevelt University as soon as possible. Some professional schools, such as pharmacy, admit students who have not received an undergraduate degree. In these cases, it is sometimes possible to attain a bachelor's degree upon completion of three years (90 SH) of work at Roosevelt University and one year in a professional school, provided the appropriate courses are chosen. The pre-professional advisor will help students plan their programs to meet the requirements for both degrees in the shortest time possible.

Preparation for admission to professional schools is provided at both the Chicago and Schaumburg campuses in the following programs: pre-medical, pre-dental, pre-pharmacy, pre-physician assistant, pre-physical therapy, pre-occupational therapy, pre-optometry, pre-podiatry and pre-veterinary.

### Pre-Chiropractic Curriculum Requirements

Courses required for admission to chiropractic schools are quite similar, although each chiropractic school sets its own requirements. The pre-chiropractic curriculum at Roosevelt University meets the entrance requirements for most chiropractic schools in the United States. The general courses required for admission to chiropractic schools include the following:
For the student who expects to complete a degree in four years and go directly into chiropractic school, the pre-chiropractic curriculum through Organic Chemistry must be completed by the end of the junior year of college. There currently is no standard admissions test for chiropractic school admission. As noted above, the pre-chiropractic curriculum given above should be considered the minimum science preparation for a health professions school. You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Chiropractic careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

### Pre-Dentistry Curriculum

**Requirements**

Courses required for admission to dentistry schools are quite similar, although each dentistry school sets its own requirements. The pre-dental curriculum at Roosevelt University meets the entrance requirements for most dental schools in the United States. The general courses required for admission to dental schools include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCHM 355</td>
<td>BIOCHEMISTRY (highly recommended)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 123</td>
<td>ANATOMY &amp; PHYSIOLOGY I (with lab, highly recommended)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 124</td>
<td>ANATOMY &amp; PHYSIOLOGY II (with lab, highly recommended)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 212</td>
<td>ORGANIC CHEMISTRY II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>INTRODUCTION TO NON-CALCULUS BASED PHYSICS I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>INTRO TO NON-CALCULUS PHYSICS II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 103</td>
<td>INTRODUCTORY PSYCHOLOGY (highly recommended)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours**

59

For the student who expects to complete a degree in four years and go directly into dental school, the pre-dental curriculum through Organic Chemistry must be completed by the end of the junior year of college. There currently is no standard admissions test for chiropractic school admission. As noted above, the pre-chiropractic curriculum given above should be considered the minimum science preparation for a health professions school. You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Chiropractic careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

### Pre-Medicine Curriculum

**Requirements**

Courses required for admission to medical schools are quite similar, although each medical school sets its own requirements. Medical schools require applicants to have completed the pre-medical curriculum prior to application. The premedical curriculum at Roosevelt University meets the entrance requirements for most medical schools in the United States. The courses required for admission to medical schools, with few exceptions, include the courses below:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCHM 355</td>
<td>BIOCHEMISTRY</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
<td>4</td>
</tr>
</tbody>
</table>
For the student who expects to complete a degree in four years and go directly into medical school, the pre-medical curriculum must be completed by the end of the junior year of college. The Medical College Admission Test (MCAT) requires the completion of one year of biology, one year of general chemistry, one year of organic chemistry, one year of physics, one course each in psychology and sociology. One course in biochemistry is highly recommended before completing the MCAT.

These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. The pre-medical curriculum given above should be considered the minimum science preparation for a health professions school. You should strive to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences. Students interested in medicine careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences.

Pre-Occupational Therapy Curriculum

Requirements

Courses required for admission to occupational therapy schools are quite diverse, although there are some common core pre-requisites for occupational therapy schools. As a result, it is extremely important to check the course recommendations of the schools to which you are applying to assist in your course planning. The general courses required for admission to occupational therapy schools include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALH 119</td>
<td>INTRODUCTION TO MEDICAL TERMINOLOGY</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 123</td>
<td>ANATOMY &amp; PHYSIOLOGY I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 124</td>
<td>ANATOMY &amp; PHYSIOLOGY II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 103</td>
<td>INTRODUCTORY PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 254</td>
<td>CHILDHOOD AND ADOLESCENCE</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 339</td>
<td>ADULT DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>INTRODUCTION TO SOCIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 200 or MATH 217</td>
<td>INTRODUCTORY STATISTICS or ELEMENTARY STATISTICS</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 28

For the student who expects to complete a degree in four years and go directly into occupational therapy school, the pre-occupational therapy curriculum through must be completed by the first semester of senior year of college. The standard admission test for occupational therapy is the Graduate Record Exam (GRE). There are no pre-requisites to take the GRE, however, typically students take this exam in the summer after their junior year. As noted above, the pre-occupational therapy curriculum given above should be considered the minimum science preparation for a health professions school. Some schools require additional course work in chemistry and physics.

Students interested in Occupational Therapy careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Optometry Curriculum

Requirements

Courses required for admission to optometry schools are quite similar, although each optometry school sets its own requirements. The pre-optometry curriculum at Roosevelt University meets the entrance requirements for most optometry schools in the United States. The general courses required for admission to optometry schools include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCHM 355</td>
<td>BIOCHEMISTRY (highly recommended)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 351</td>
<td>GENERAL GENETICS (with lab, highly recommended)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 360</td>
<td>MICROBIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
<td>4</td>
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<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 212</td>
<td>ORGANIC CHEMISTRY II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>INTRODUCTION TO NON-CALCULUS BASED PHYSICS I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>INTRO TO NON-CALCULUS PHYSICS II (with lab)</td>
<td>4</td>
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<tr>
<td>PHYS 233</td>
<td>CALCUCLUS-BASED PHYSICS I DISCUSSION</td>
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<tr>
<td>PHYS 234</td>
<td>CALCUCLUS-BASED PHYSICS II DISCUSSION</td>
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</tr>
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<td>PSYC 103</td>
<td>INTRODUCTORY PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 101</td>
<td>PUBLIC SPEAKING (highly recommended)</td>
<td>3</td>
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</table>

Total Credit Hours: 67

For the student who expects to complete a degree in four years and go directly into optometry school, the pre-optometry curriculum must be completed by the end of the junior year of college. The Optometry Admission Test Program (OAT) requires the completion of one year of biology, one year of general chemistry, one year of organic chemistry, one year of physics and one semester of calculus. The typical four-year curriculum for a pre-optometry student mirrors the curriculum of a pre-medical student. These courses serve as a common denominator...
between applicants and are also the foundation upon which students build once in a professional school. As noted above, the pre-optometry curriculum given above should be considered the minimum science preparation for a health professions school. You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Optometry careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Pharmacy Curriculum
Requirements

Courses required for admission to pharmacy schools are quite similar, although each pharmacy school sets its own requirements. The pre-pharmacy curriculum at Roosevelt University meets the entrance requirements for most pharmacy schools in the United States. The general courses required for admission to pharmacy schools include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCHM 355</td>
<td>BIOCHEMISTRY (Highly recommended)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 123</td>
<td>ANATOMY &amp; PHYSIOLOGY I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 124</td>
<td>ANATOMY &amp; PHYSIOLOGY II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 360</td>
<td>MICROBIOLOGY (with lab, highly recommended)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
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<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I (with lab)</td>
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<tr>
<td>CHEM 212</td>
<td>ORGANIC CHEMISTRY II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>INTRODUCTION TO NON-CALCULUS BASED PHYSICS I</td>
<td>4</td>
</tr>
<tr>
<td>SPCM 101</td>
<td>PUBLIC SPEAKING</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>PRINCIPLES OF ECONOMICS I</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 102</td>
<td>PRINCIPLES OF ECONOMICS II</td>
<td>3</td>
</tr>
</tbody>
</table>

For the student who expects to complete a degree in four years and go directly into pharmacy school, the pre-pharmacy curriculum through Organic Chemistry must be completed by the end of the junior year of college. The Pharmacy College Admission Test Program (PCAT) requires the completion of one year of biology, one year of general chemistry and one year of organic chemistry. The physics and advanced biology are necessary for entrance into pharmacy school, but will not be tested on the PCAT. The typical four-year curriculum for a pre-pharmacy student mirrors the curriculum of a premedical student. These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. As noted above, the pre-pharmacy curriculum given above should be considered the minimum science preparation for a health professions school. You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Pharmacy careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Physical Therapy Curriculum
Requirements

Courses required for admission to physical therapy schools are quite similar, although each school sets its own requirements. The pre-physical therapy curriculum at Roosevelt University meets the entrance requirements for most physical therapy schools in the United States. The general courses required for admission to physical therapy schools include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 123</td>
<td>ANATOMY &amp; PHYSIOLOGY I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 124</td>
<td>ANATOMY &amp; PHYSIOLOGY II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (lab)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>INTRODUCTION TO NON-CALCULUS BASED PHYSICS I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>INTRO TO NON-CALCULUS PHYSICS II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 103</td>
<td>INTRODUCTORY PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>ABNORMAL PSYCHOLOGY</td>
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</tr>
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</table>

Total Credit Hours 52

For the student who expects to complete a degree in four years and go directly into physical therapy school, the pre-physical therapy curriculum must be completed by the end of the first semester of senior year of college. The standard admission test for occupational therapy is the Graduate Record Exam (GRE). There are no pre-requisites to take the GRE, however, typically students take this exam in the summer after their junior year. These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. As noted above, the pre-physical therapy curriculum given above should be considered the minimum science preparation for a health professions school. You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Physical Therapy careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.
Pre-Physician Assistant Curriculum Requirements

Courses required for admission to physician assistant schools are quite similar, although each school sets its own requirements. The pre-physician assistant curriculum at Roosevelt University meets the entrance requirements for most physician assistant schools in the United States. The general courses required for admission to physician assistant schools include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>BCHM 355</td>
<td>BIOCHEMISTRY (highly recommended)</td>
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<tr>
<td>BIOL 123</td>
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<td>CELLULAR &amp; MOLECULAR BIOLOGY (with lab)</td>
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<td>BIOL 360</td>
<td>MICROBIOLOGY (with lab)</td>
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<td>CHEM 201</td>
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<td>CHEM 202</td>
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<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I (with lab)</td>
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<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
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<tr>
<td>PSYC 103</td>
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</table>

Pre-Podiatry Curriculum Requirements

Courses required for admission to podiatry schools are quite similar, although each podiatry school sets its own requirements. Podiatry schools require applicants to have completed the pre-medical curriculum prior to application. The pre-podiatry curriculum at Roosevelt University meets the entrance requirements for most podiatry schools in the United States. The courses required for admission to podiatry schools, with few exceptions, include the following:

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<tr>
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<td>BIOL 201</td>
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<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
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<tr>
<td>BIOL 301</td>
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<td>GENERAL CHEMISTRY II (with lab)</td>
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<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I (with lab)</td>
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<tr>
<td>CHEM 212</td>
<td>ORGANIC CHEMISTRY II (with lab)</td>
<td>4</td>
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<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>INTRODUCTION TO NON-CALCULUS BASED PHYSICS I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>INTRO TO NON-CALCULUS PHYSICS II (with lab)</td>
<td>4</td>
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<tr>
<td>PSYC 103</td>
<td>INTRODUCTORY PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
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</tbody>
</table>

Pre-Veterinary Medicine Curriculum Requirements

Courses required for admission to veterinary schools are quite similar, although each veterinary school sets its own requirements. Veterinary schools require applicants to have completed the pre-veterinary curriculum prior to application. The pre-veterinary curriculum at Roosevelt University meets the entrance requirements for most veterinary schools in the United States. The courses required for admission to medical schools include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCHM 355</td>
<td>BIOCHEMISTRY (highly recommended)</td>
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<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY (with lab)</td>
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<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
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<tr>
<td>BIOL 301</td>
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<td>ELEMENTARY STATISTICS</td>
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<td>PHYS 201</td>
<td>INTRODUCTION TO NON-CALCULUS BASED PHYSICS I (with lab)</td>
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<td>PHYS 202</td>
<td>INTRO TO NON-CALCULUS PHYSICS II (with lab)</td>
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<tr>
<td>PSYC 103</td>
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<td></td>
<td>Total Credit Hours</td>
<td>50</td>
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</table>

For the student who expects to complete a degree in four years and go directly into veterinary school, the pre-veterinary curriculum must be completed by the end of the junior year of college. The Medical College Admission Test (MCAT) requires the completion of one year of biology, one year of general chemistry, one year of organic chemistry, one year of physics, one course each in psychology and sociology. One course in biochemistry is highly recommended before completing the MCAT. These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. The pre-podiatry curriculum given above should be considered the minimum science preparation for a health professions school. You should strive to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Podiatry careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.
between applicants and are also the foundation upon which students build once in a professional school. The pre-veterinary curriculum given above should be considered the minimum science preparation for a health professions school. You should strive to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences. Students interested in Veterinary Medicine careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Psychology, BA

A background in psychology is essential in today's complex society to gain an understanding of why people and groups behave as they do and how individuals struggle to achieve their full potential.

The Department of Psychology is the largest academic program in the College of Arts and Sciences. It offers a rich array of courses and course sequences for more specialized studies. There is a balance between the scientific tradition of experimental psychology and the major domains of applied psychology. Students may learn about human sexuality, social psychology, child and adult psychopathology, multicultural psychology, and stress management. There are courses and course sequences on research methods and statistics, biopsychology, cultural diversity, forensic psychology, and the human lifespan from infancy to old age. The traditional areas of experimental psychology are available for study, including sensation-perception, cognitive processes, and learning-memory.

Students may choose to major or minor in Psychology or earn a concentration in Child and Family Studies, Mental Health, Neuroscience or Forensic Psychology. A degree in Psychology provides an excellent foundation for graduate studies in any aspect of psychology or related human services. Knowledge of psychological principles is a valued skill for any career or job description that involves working with people.

An undergraduate major in Psychology provides students with an excellent background for careers that involve working with people. Psychology graduates find work in business, sales, counseling, education, and health care. The BA is also essential preparation for those considering master’s or doctoral work in psychology, and similarly provides an excellent foundation for graduate work in counseling and social work.

The major can be completed at either Chicago, Schaumburg, or online.

Standards

A grade of C- is the minimal acceptable grade for a course to be applied to the major, minor, or concentrations. A minimum cumulative GPA of 2.0 is required for all courses in the major, minor, and the psychology concentrations.

Requirements

To earn a BA in Psychology, students must complete 36 credit hours in Psychology. PSYC 103 INTRODUCTORY PSYCHOLOGY must be taken as soon as the major is declared. PSYC 200 INTRODUCTORY STATISTICS and PSYC 285 RESEARCH METHODS should be completed within the first two to three semesters of declaring the major.

Students need to complete 21 credit hours at Roosevelt University, including 9 credit hours at the 300 level at this university. In addition, a total of 12 credit hours within the major must be at the 300 level. Psychology majors resuming their major after an interruption of two or more years must follow the Psychology requirements in effect at the time students resume their studies.

<table>
<thead>
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<tr>
<td>PSYC 285</td>
<td>RESEARCH METHODS</td>
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Area 1: Biological/Cognitive/Learning Psychology

Select one course from this list:

- PSYC 316 LEARNING
- PSYC 325 SENSATION AND PERCEPTION
- PSYC 326 COGNITIVE PROCESSES
- PSYC 336 BRAIN AND BEHAVIOR
- PSYC 350 HUMAN NEUROPSYCHOLOGY

Area 2: Social/Diversity Psychology

Select one course from this list:

- PSYC 211 PSYCHOLOGY STUDY OF RACISM
- PSYC 220 SOCIAL PSYCHOLOGY
- PSYC 345 PSYCHOLOGY OF GENDER
- PSYC 366 POVERTY & THE INDIVIDUAL

Area 3: Human Development/Individual Differences

Select one course from this list:

- PSYC 243 THEORIES OF PERSONALITY
- PSYC 254 CHILDHOOD AND ADOLESCENCE
- PSYC 335 HUMAN DEVELOPMENT AS A CULTURAL PROCESS
- PSYC 339 ADULT DEVELOPMENT
- PSYC 341 OLDER ADOLESCENCE AND AGING
- PSYC 381 CHILDREN AND FAMILIES

Area 4: Applied/Clinical Psychology

Select one of the following:

- PSYC 201 ABNORMAL PSYCHOLOGY
- PSYC 215 LEARNING & DEVELOPMENTAL DISABILITIES
- PSYC 270 PSYCHOLOGICAL TESTS
- PSYC 319 CHILD & ADOLESCENT PSYCHOPATHOLOGY
- PSYC 344 INDUSTRIAL/Organizational PSYCHOLOGY
- PSYC 347 HEALTH PSYCHOLOGY
- PSYC 351 LAW AND PSYCHOLOGY

Psychology electives

Five courses in Psychology

General Education, University Writing Requirement, and Electives

Courses to total 120

Total Credit Hours 120
# CORE Requirements (General Education)

<table>
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<th>Code</th>
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<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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## Communication Requirement

| ENG 101 | COMPOSITION I: CRITICAL READING & WRITING | 3            |
| ENG 102 | COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH | 3            |
| COMM 101 | PUBLIC SPEAKING (or program specific CORE communications course) | 3            |

## Ideas Across Disciplines

- 3 credits in coursework categorized as Ideas. 3

## Humanities and Fine and Performing Arts

- 9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women’s and Gender Studies 9

## Mathematics

| MATH 110 | QUANTITATIVE LITERACY (or above) | 3            |

## Science

- One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

## Social Sciences

- 9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies 9

## Experiential Learning

- 6 credits from coursework categorized as Experiential Learning. 6

## Total Credit Hours

- 47-48

### Year 1

<table>
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<tr>
<th>Semester</th>
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<th>Spring Credit Hours</th>
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<td>ENG 102</td>
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<td>ENG 101</td>
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<td>BIOL 111 or 112</td>
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<tr>
<td>MATH 110</td>
<td>3 IDEAS ACROSS DISCIPLINES</td>
<td>3</td>
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<tr>
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<tr>
<td>PSYC 201, 215, 270, 319, 344, 347, or 351</td>
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### Year 4

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<td>Psychology Elective Course</td>
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</tr>
<tr>
<td>General Elective</td>
<td>3 General Elective</td>
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</tbody>
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*Higher level of Math may be required by major*

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS).

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.
Standards

Department of Biological, Physical, and Health Sciences.

Acceptance requirements. Students interested in these health care areas must make certain they are fully aware of each area’s specific prerequisite courses. Each of the areas of study has its own prerequisite courses and GPA requirements and may not accept grades of C- for certain required prerequisite courses.

Roosevelt University offers five programs with clinical training at Northwestern Memorial Hospital, Chicago (Diagnostic Medical Sonography, Histotechnology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography). These areas involve completing required course work at Roosevelt University, followed by clinical training at the appropriate affiliate clinical site. A separate application to the clinical training program is required, and acceptance is not guaranteed. Roosevelt University offers five programs with clinical training at Northwestern Memorial Hospital, Chicago (Diagnostic Medical Sonography, Histotechnology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography) and one program with clinical training at NorthShore Health Systems, Evanston (Medical Technology (https://clinicalschools.nm.org/)) and one program with clinical training at NorthShore Health Systems, Evanston (Medical Technology (https://www.northshore.org/academics/academic-programs/other-programs/medical-technology/)).

Requirements

Courses taken for the major must be taken on a letter grade basis. A grade of C- is the minimal acceptable grade for a course to be applied to the major, or to be acceptable as a prerequisite for subsequent courses. A minimum cumulative GPA of 2.0 is required for all courses in the major. However, it is important to note that the clinical affiliates have their own GPA requirements and may not accept grades of C- for certain required prerequisite courses.

Each of the areas of study has its own prerequisite courses and requirements. These programs require students to complete all required coursework before applying to the clinical affiliate. Students are not guaranteed admission into the clinical training portion of the degree. Students must make certain they are fully aware of each area’s specific acceptance requirements. Students interested in these health care careers should seek early guidance from the health coordinator in the Department of Biological, Physical, and Health Sciences.

Standards

- AP biology credit with a score of 3.0 or higher may apply toward the major in biology or the general education requirements after consultation with an advisor.

- AP chemistry with a score of 4 or higher satisfies the requirements for CHEM 201 GENERAL CHEMISTRY I with lab.

- AP Physics I (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab.

- AP Physics II (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab.

- AP Physics C: Mechanics with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab and PHYS 233 CALCULUS-BASED PHYSICS I DISCUSSION.

- AP Physics C: Electricity and Magnetism with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab and PHYS 234 CALCULUS-BASED PHYSICS II DISCUSSION.

In addition, students must:

- Take a minimum of their last 30 credit hours at Roosevelt University; off-site clinical courses count toward this requirement.

- Take at least 20 credit hours in acceptable Biology, Chemistry, or Physics courses at Roosevelt University; not more than 15 credit hours of acceptable Biology courses may be transferred to Roosevelt University and applied toward the BS degree.

- Once enrolled in the program, complete all remaining Biology, Chemistry, Physics, and Mathematics course requirements for these BS degrees at Roosevelt University. Under special circumstances, written permission to take required courses elsewhere may be granted by the health coordinator.

- Apply only courses in biology taken within the past eight years toward graduation.

- Limit to 4 credit hours the total of independent study hours (BIOL 395 INDEPENDENT STUDY/BCHM 395 INDEPENDENT STUDY/Chem 395 INDEPENDENT STUDY/Phys 395 INDEPENDENT STUDY) and independent research (BIOL 392 RESEARCH IN BIOLOGY/BCHM 392 RESEARCH IN BIOCHEMISTRY/Chem 392 RESEARCH IN CHEMISTRY/Phys 392 RESEARCH IN PHYSICS) used to fulfill the requirements of the major.

The Radiation Therapist Technology program at Roosevelt University is a highly specialized program that prepares students to work with patients undergoing radiation treatment. Radiation therapy is one of the most effective treatments today for many cancers and an increasing number of other medical conditions. Under the supervision of radiation oncologists, radiation therapists use high-energy X-rays, electron beams, or radioactive isotopes to kill cancer cells. Radiation therapists must be able to interact compassionately and effectively with people who range from healthy to terminally ill.

Contact an advisor in the Department of Biological, Chemical, and Physical Sciences for details and advising as soon as possible. This is a 3+1 program, in which the first three years of course work is completed at Roosevelt University and the final year at Northwestern Memorial Hospital.

Admission

Admission to clinical training is at the discretion of Northwestern Medicine. Students are not guaranteed admission. The minimum GPA for application for this program is a 2.5 GPA overall and a 2.5 GPA in the prerequisite courses. All applicants whose native language is not English must submit official TOEFL test scores by the application deadline to Northwestern Medicine. Clinical course enrollment is subject to the
satisfactory completion of pre-clinical course work and admission to the clinical program. Please consult the Northwestern Medicine Clinical Schools website (https://clinicalschools.nm.org/) for specific information in regards to application and admission.

Requirements

Radiation Therapy Technology students complete a minimum of 85 credit hours of academic work, including the University Writing Requirement and the College of Arts and Sciences general education requirements, in addition to the Radiation Therapy Technology requirements outlined below. Students must take their final 30 credit hours before clinical training at Roosevelt University. They complete their last 35 credit hours in a one-year, full-time, daytime clinical training program at Northwestern Memorial Hospital*. Upon successful completion of the clinical program, students receive a Certificate in Radiation Therapy Technology from the hospital and a BS in Radiation Therapy Technology from Roosevelt University and are eligible to sit for the American Society of Radiologic Technologists certification examination.

Acceptance into the clinical training is not guaranteed and is at the discretion of the clinical site.

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
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<tr>
<td>CHEM 210</td>
<td>SURVEY OF ORGANIC CHEMISTRY (with lab)</td>
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<td>or CHEM 211</td>
<td>ORGANIC CHEMISTRY I</td>
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<td>MATH 121</td>
<td>COLLEGE ALGEBRA</td>
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<td>MATH 122</td>
<td>TRIGONOMETRY AND PRECALCULUS</td>
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<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
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<td>INTRODUCTION TO NON-CALCULUS BASED PHYSICS I (with lab)</td>
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<td>PHYS 202</td>
<td>INTRO TO NON-CALCULUS PHYSICS II (with lab)</td>
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<td>PSYC 103</td>
<td>INTRODUCTORY PSYCHOLOGY</td>
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<td>PSYC 285</td>
<td>RESEARCH METHODS</td>
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<td>COMM 101</td>
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<tr>
<td>CST 100</td>
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<td>or CST 101</td>
<td>BEYOND PC ESSENTIALS</td>
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<tr>
<td>ALH 313</td>
<td>PATIENT CARE MANAGEMENT I</td>
<td>2</td>
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<tr>
<td>ALH 316</td>
<td>PATHOLOGY</td>
<td>2</td>
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<td>RADIATION PHYSICS I</td>
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<td>RADIATION PHYSICS II</td>
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<tr>
<td>ALH 352</td>
<td>RADIATION SAFETY &amp; PROTECTION</td>
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<tr>
<td>ALH 353</td>
<td>MEDICAL IMAGING FOR RADIATION THERAPY</td>
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<table>
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<tr>
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<tr>
<td>ALH 355</td>
<td>PRINCIPLES &amp; PRACTICE II</td>
<td>3</td>
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<tr>
<td>ALH 357</td>
<td>CLINICAL PRACTICUM I</td>
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</tr>
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<td>ALH 358</td>
<td>CLINICAL PRACTICUM II</td>
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<tr>
<td>ALH 360</td>
<td>QUALITY MANAGEMENT</td>
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<td>ALH 361</td>
<td>INTRODUCTION TO COMPUTED TOMOGRAPHY</td>
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<td>ALH 362</td>
<td>OPERATIONAL ISSUES</td>
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<tr>
<td>ALH 363</td>
<td>TECHNICAL RADIATION I</td>
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</tr>
<tr>
<td>ALH 364</td>
<td>TECHNICAL RADIATION THERAPY II</td>
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General Education, University Writing Requirement, and Electives

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<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE or TRS 101 TRANSFER SUCCESS 101</td>
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<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Ideas Across Disciplines

3 credits in coursework categorized as Ideas. 3

Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies

Mathematics

MATH 110 | QUANTITATIVE LITERACY (or above) ¹ | 3            |

Science

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

Social Sciences

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies 9

Experiential Learning

6 credits from coursework categorized as Experiential Learning. 6

Total Credit Hours 47-48

¹ Higher level of Math may be required by major

These quantitative requirements also apply to degrees.
• Students must earn a minimum of 120 semester hours.
• Students may apply no more than 60 credit hours of 100-level courses toward the degree.
• Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
• Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
• Students may transfer in no more than 70 credit hours from community colleges.
• Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
• Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
• Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS).

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
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<td>ENG 102</td>
</tr>
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<td>ENG 101</td>
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<td>3</td>
<td>CHEM 202</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>5</td>
<td>Ideas Across Disciplines</td>
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<tr>
<td>PSYC 103 (Social Science #1)</td>
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Year 2

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<td>BIOL 124</td>
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<tr>
<td>MATH 217</td>
<td>3</td>
<td>CST 100 or 101</td>
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<tr>
<td>CHEM 210 or 211</td>
<td>5</td>
<td>PSYC 285 (Social Science #2)</td>
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<td>COMM 101</td>
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<td>Humanities #1</td>
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Year 3

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<td>MATH 301</td>
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<tr>
<td>Social Science #3</td>
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<td>Humanities #2</td>
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<tr>
<td>Experiential Learning #1</td>
<td>3</td>
<td>Humanities #3</td>
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Year 4

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<td>ALH 341</td>
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<td>ALH 317</td>
<td>2</td>
<td>ALH 355</td>
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<td>ALH 352</td>
<td>2</td>
<td>ALH 358</td>
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<td>ALH 353</td>
<td>2</td>
<td>ALH 360</td>
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<td>ALH 354</td>
<td>3</td>
<td>ALH 361</td>
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<td>ALH 357</td>
<td>3</td>
<td>ALH 362</td>
</tr>
<tr>
<td>(Experiential Learning #2)</td>
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</tbody>
</table>

Total Credit Hours 121

1 Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement

* Clinical applications due Feb 1st.
** Must be accepted into clinical training portion/not guaranteed.

## Radiography, BS

Health care professions separate from nursing, medicine, and pharmacy provide a range of diagnostic, technical, therapeutic and direct patient care and support services that are critical to other health professionals they work with and the patients they serve.

The overall employment outlook for individuals with professional certifications varies, but is projected to be good to excellent by the U.S. Bureau of Labor Statistics. The BS degrees include Diagnostic Medical Sonography, Histotechnology, Medical Technology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography. These areas involve completing required course work at Roosevelt University, followed by clinical training at the appropriate affiliate clinical site. A separate application to the clinical training program is required, and acceptance is not guaranteed. Roosevelt University offers five programs with clinical training at Northwestern Memorial Hospital, Chicago (Diagnostic Medical Sonography, Histotechnology, Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography (https://clinicalschools.nm.org/)) and one program with clinical training at NorthShore Health Systems, Evanston (Medical Technology (https://www.northshore.org/academics/academic-programs/other-programs/medical-technology/)).

## Requirements

Courses taken for the major must be taken on a letter grade basis. A grade of C- is the minimal acceptable grade for a course to be applied to the major, or to be acceptable as a prerequisite for subsequent courses. A minimum cumulative GPA of 2.0 is required for all courses in the major. However, it is important to note that the clinical affiliates have their own GPA requirements and may not accept grades of C- for certain required prerequisite courses.

Each of the areas of study has its own prerequisite courses and requirements. These programs require students to complete all required coursework before applying to the clinical affiliate. Students are not guaranteed admission into the clinical training portion of the degree. Students must make certain they are fully aware of each area’s specific acceptance requirements. Students interested in these health care careers should seek early guidance from the health coordinator in the Department of Biological, Physical, and Health Sciences.

## Standards

- AP biology credit with a score of 3.0 or higher may apply toward the major in biology or the general education requirements after consultation with an advisor.
- AP chemistry with a score of 4 or higher satisfies the requirements for CHEM 201 GENERAL CHEMISTRY I with lab.
• AP Physics I (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab.
• AP Physics II (2014 or later) with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab.
• AP Physics C: Mechanics with a score of 3.0 satisfies the requirement for PHYS 201 INTRODUCTION TO NON-CALCULUS BASED PHYSICS I with lab and PHYS 233 CALCULUS-BASED PHYSICS I DISCUSSION.
• AP Physics C: Electricity and Magnetism with a score of 3.0 satisfies the requirement for PHYS 202 INTRO TO NON-CALCULUS PHYSICS II with lab and PHYS 234 CALCULUS-BASED PHYSICS II DISCUSSION.

In addition, students must:
• Take a minimum of their last 30 credit hours at Roosevelt University; off-site clinical courses count toward this requirement.
• Take at least 20 credit hours in acceptable Biology, Chemistry, or Physics courses at Roosevelt University; not more than 15 credit hours of acceptable Biology courses may be transferred to Roosevelt University and applied toward the BS degree.
• Once enrolled in the program, complete all remaining Biology, Chemistry, Physics, and Mathematics course requirements for these BS degrees at Roosevelt University. Under special circumstances, written permission to take required courses elsewhere may be granted by the health coordinator.
• Apply only courses in biology taken within the past eight years toward graduation.
• Limit to 4 credit hours the total of independent study hours (BIOL 395 INDEPENDENT STUDY/BCHM 395 INDEPENDENT STUDY/CHM 395 INDEPENDENT STUDY/PHYS 395 INDEPENDENT STUDY) and independent research (BIOL 392 RESEARCH IN BIOLOGY/BCHM 392 RESEARCH IN BIOCHEMISTRY/CHM 392 RESEARCH IN CHEMISTRY/PHYS 392 RESEARCH IN PHYSICS) used to fulfill the requirements of the major.

The Radiography program at Roosevelt University will allow students to obtain a bachelor’s degree in Radiography that allows for a variety of exciting career options in the health care field. Radiographers position imaging equipment and adjust controls to produce diagnostic-quality images and assist radiologists in performing specialized imaging procedures. Radiographers work in a variety of settings including hospitals, diagnostic centers, doctor’s offices, clinics, and orthopedic practices.

Certified Radiology Technologists may go on to be trained in other advanced imaging techniques, including Computed Axial Tomography (CAT), Magnetic Resonance Imaging (MRI), and Positron Emission Tomography (PET), mammography, and interventional radiography. Advanced career options in education, administration, and research are also possible.

Contact an advisor in the Department of Biological, Chemical, and Physical Sciences for details and advising as soon as possible. This is a 2+2 program, in which the first two years of course work is completed at Roosevelt University and the final two years at Northwestern Memorial Hospital.

**Admission**
Admission to clinical training is at the discretion of Northwestern Medicine. Students are not guaranteed admission. The minimum GPA for application for this program is a 2.5 GPA overall and a 2.5 GPA in the prerequisite courses. All applicants whose native language is not English must submit official TOEFL test scores by the application deadline to Northwestern Medicine. Clinical course enrollment is subject to the satisfactory completion of pre-clinical course work and admission to the clinical program. Please consult the Northwestern Medicine Clinical Schools website (https://clinicalschools.nm.org/) for specific information in regards to application and admission.

**Requirements**
Radiography students complete a minimum of 72 credit hours of academic work, including the University Writing Requirement and the College of Arts and Sciences general education requirements, in addition to the Radiography requirements outlined below. Students must take their final 30 credit hours before clinical training at Roosevelt University. Students complete their last 48 credit hours in a 21-month, full-time, daytime clinical training program at Northwestern Memorial Hospital.

Upon successful completion of the clinical program, students receive a Certificate in Radiography from the hospital and a BS in Radiography from Roosevelt University, and are eligible to sit for the American Society of Radiologic Technologists certification examination.

<table>
<thead>
<tr>
<th>Code</th>
<th>Core</th>
<th>Title</th>
<th>Credit Hours</th>
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<td>ALH</td>
<td>INTRODUCTION TO MEDICAL TERMINOLOGY</td>
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<tr>
<td>BIOL 123</td>
<td>BIOL</td>
<td>ANATOMY &amp; PHYSIOLOGY I (with lab)</td>
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</tr>
<tr>
<td>BIOL 124</td>
<td>BIOL</td>
<td>ANATOMY &amp; PHYSIOLOGY II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>BIOL</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS (with lab)</td>
<td>5</td>
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<tr>
<td>BIOL 301</td>
<td>BIOL</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>CHEM</td>
<td>GENERAL CHEMISTRY I (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>CHEM</td>
<td>GENERAL CHEMISTRY II (with lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 210</td>
<td>CHEM</td>
<td>SURVEY OF ORGANIC CHEMISTRY (with lab)</td>
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</tr>
<tr>
<td>or CHEM 211</td>
<td>CHEM</td>
<td>ORGANIC CHEMISTRY I</td>
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<tr>
<td>MATH 121</td>
<td>MATH</td>
<td>COLLEGE ALGEBRA</td>
<td>3</td>
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<td>MATH 217</td>
<td>MATH</td>
<td>ELEMENTARY STATISTICS</td>
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<td>COMM 101</td>
<td>COMM</td>
<td>PUBLIC SPEAKING</td>
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**Clinical Courses for Radiography**

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<td>ALH</td>
<td>INTRODUCTION TO RADIOLOGY &amp; MEDICAL IMAGING</td>
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<td>ALH 252</td>
<td>ALH</td>
<td>RADIOLOGICAL PROCEDURES I</td>
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<td>ALH 253</td>
<td>ALH</td>
<td>PATIENT CARE IN MEDICAL IMAGING</td>
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<tr>
<td>ALH 254</td>
<td>ALH</td>
<td>RADIOGRAPHY CLINICAL I</td>
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<td>ALH 255</td>
<td>ALH</td>
<td>FLUOROSCOPIC PROCEDURES I</td>
</tr>
<tr>
<td>ALH 261</td>
<td>ALH</td>
<td>FLUOROSCOPIC PROCEDURES II</td>
</tr>
<tr>
<td>ALH 262</td>
<td>ALH</td>
<td>MEDICAL LAW &amp; ETHICS</td>
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<tr>
<td>ALH 264</td>
<td>ALH</td>
<td>IMAGING PRINCIPLES I</td>
</tr>
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<td>ALH 266</td>
<td>ALH</td>
<td>RADIOGRAPHIC PROCEDURES II</td>
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<td>ALH 267</td>
<td>ALH</td>
<td>RADIOGRAPHIC CLINICAL II</td>
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<td>ALH 380</td>
<td>ALH</td>
<td>RADIATION PHYSICS</td>
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<tr>
<td>ALH 381</td>
<td>ALH</td>
<td>OPERATIONAL ISSUES IN THE HEALTHCARE ENVIRONMENT</td>
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<td>ALH 382</td>
<td>ALH</td>
<td>IMAGING PRINCIPLES II</td>
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ALH 383  RADIOGRAPHIC PROCEDURES III  3  
ALH 384  IMAGING EQUIPMENT & MODALITIES  2  
ALH 385  RADIATION BIOLOGY & PROTECTION  2  
ALH 386  INTRODUCTION TO CT & CROSS-SECTIONAL ANATOMY  3  
ALH 387  ARRT REVIEW  3  
ALH 388  RADIOGRAPHIC CLINICAL III  4  
General Education, University Writing Requirement, and Electives  28  
Core Requirements  44  
Clinical Requirements  48  
Total credit hours to degree  120  

**CORE Requirements (General Education)**

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<th>Credit Hours</th>
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<tbody>
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<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
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<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific</td>
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<td></td>
<td>CORE communications course)</td>
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<td></td>
<td>Ideas Across Disciplines</td>
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<tr>
<td></td>
<td>3 credits in coursework categorized as Ideas.</td>
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<tr>
<td></td>
<td>Humanities and Fine and Performing Arts</td>
<td>9</td>
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<tr>
<td></td>
<td>9 credits from the following subject areas:</td>
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<tr>
<td></td>
<td>African-American Studies, Art History,</td>
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<tr>
<td></td>
<td>English (excluding ENG 101 and ENG 102),</td>
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<tr>
<td></td>
<td>History, Languages, Music, Philosophy,</td>
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</tr>
<tr>
<td></td>
<td>Theatre, Communication and Women's and</td>
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<tr>
<td></td>
<td>Gender Studies</td>
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<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY (or above)</td>
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<tr>
<td>Science</td>
<td>One biological science and one physical</td>
<td>7-8</td>
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<td>science required (at least one must be a</td>
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<td>four-hour lab). (Not applicable for</td>
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<td></td>
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<tr>
<td>Social Sciences</td>
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<tr>
<td></td>
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<td></td>
<td>Economics, History, Journalism,</td>
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<tr>
<td></td>
<td>Philosophy, Political Science, Psychology,</td>
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<td></td>
<td>Sociology and Women's and Gender Studies</td>
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<tr>
<td>Experiential Learning</td>
<td>6 credits from coursework categorized as Experiential Learning.</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credit Hours 47-48  

- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.  
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.  
- Students may transfer in no more than 70 credit hours from community colleges.  
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.  
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.  
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS).

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Summer Credit Hours</th>
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<td>2 Humanities #1</td>
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<tr>
<td>ENG 101</td>
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<td>3 ENG 102</td>
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<td>MATH 121</td>
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<td>BIOL 123</td>
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<td>4 CHEM 202</td>
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<td>5 Ideas Across Disciplines</td>
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<td></td>
<td>5 BIOL 301</td>
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<td>COMM 101</td>
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<td>3 Social Science #1</td>
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<td>Humanities #2</td>
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<tbody>
<tr>
<td>ALH 251</td>
<td>3 ALH 266</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
The Bachelor of Arts in Social Justice Studies is an interdisciplinary degree program integrating theories, methods, and substance of economics, history, political science, and sociology as they bear on questions of social justice. What is 'social justice'? What are the processes that produce injustice in our world, and how do they operate? How are people working - or how might people work - to achieve social justice? The program is available as a minor as well as a B.A. Advising

Students completing a Social Justice major are encouraged to take ECON 101 PRINCIPLES OF ECONOMICS I, SOC 101 INTRODUCTION TO SOCIOLOGY and POS 101 UNITED STATES POLITICS for their social science distribution courses; these are prerequisites for many of the required courses in the major. Students must receive a minimum grade of C- for a course to count toward the major. The overall grade point average must be 2.0 or higher.

Requirements

Students majoring in Social Justice Studies complete 11 courses (33 credit hours) related to social justice in a variety of disciplines. There are 21 credit hours of Core courses and 12 credit hours of Electives. The capstone experience is either an internship in an organization with a social justice mission or a senior thesis.

Electives are chosen in conjunction with your advisor.

- One elective should be a transformational learning course.
- Two electives must be at the 300 level.
- No 100-level electives will be accepted.
- A grade of C or higher is required in all courses in the major.
- At least 15 credit hours in the major must be taken at Roosevelt.

The Social Justice Studies advisory committee designates elective courses each semester. Students can view these by clicking on the Social Justice Studies attribute link on the class schedule.

These courses are required for the Social Justice Studies major:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>SOC 290 or ECON 234</td>
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<td>POS 367</td>
<td>SOCIAL MOVEMENTS</td>
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</tr>
<tr>
<td>SOCJ 201</td>
<td>INTRODUCTION TO SOCIAL JUSTICE STUDIES</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 208</td>
<td>INTRODUCTION TO WORKING CLASS STUDIES</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 214</td>
<td>ECONOMICS OF GLOBALIZATION</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 326</td>
<td>THEORIES OF SOCIAL JUSTICE</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 360</td>
<td>INTERNSHIP IN SOCIAL JUSTICE STUDIES</td>
<td>3</td>
</tr>
</tbody>
</table>

Four electives, two of which must be at the 300 level 12

General Education, University Writing Requirement, and Electives

Courses to total 120 87

Total Credit Hours 120

Students interested in graduate programs in social science or public policy are encouraged to take MATH 217 ELEMENTARY STATISTICS/ECON 234 ELEMENTARY STATISTICS/SOC 291 SOCIAL STATISTICS: INTRODUCTION TO PROBABILITY & STATISTICS (3 credit hours) and ECON 346 INTRODUCTION TO ECONOMETRICS (3 credit hours)

CORE Requirements (General Education)

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<thead>
<tr>
<th>Code</th>
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Communication Requirement

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<tr>
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<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
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</tbody>
</table>

Ideas Across Disciplines

3 credits in coursework categorized as Ideas. 3

Humanities and Fine and Performing Arts
9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies

Mathematics
MATH 110 QUANTITATIVE LITERACY (or above) 1 3

Science
One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

Social Sciences
9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies 9

Experiential Learning
6 credits from coursework categorized as Experiential Learning. 6

Total Credit Hours 47-48

1 Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Term</th>
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<tbody>
<tr>
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<td>ENG 102 3</td>
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<td>Fall</td>
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<td>IDEAS ACROSS DIS 1</td>
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<td>Fall</td>
<td>MATH 110 3 Humanities #2 5</td>
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<tr>
<td>Fall</td>
<td>BIOL 111 or 112 2</td>
<td>SOCIAL SCIENCE 1 3</td>
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### Year 2

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<tr>
<td>Fall</td>
<td>SOCJ 201 3</td>
<td>SOCJ 208 3</td>
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</tr>
<tr>
<td>Fall</td>
<td>ECON 234 or SOC 290</td>
<td>SOCJ 214 3</td>
<td>3</td>
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<tr>
<td>Fall</td>
<td>COMM 101 3 HUMANITIES #3 6</td>
<td>SOCIAL SCIENCE 1 3</td>
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<tr>
<td>Fall</td>
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<tr>
<td>Fall</td>
<td>EXPERIENTIAL LEARNING #1 4</td>
<td>3 General Elective 1 3</td>
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### Year 3

<table>
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<td>Fall</td>
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<td>SOCJ 360 3</td>
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<tr>
<td>Fall</td>
<td>General Elective 1 3</td>
<td>General Elective 1 3</td>
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### Sociology, BA

Sociology is the systematic study of human behavior and society, particularly its development, organization, and institutions. As a social science, it uses various empirical methods of inquiry to investigate and analyze social order, conflict, and change.

Many sociologists conduct research aimed at directly influencing social policy or at refining and applying the current body of sociological theory to empower community activists working for justice. Subjects studied range from the micro level of individual behavior and agency to interaction between social groups both large and small to the macro level of social structures. Training in sociology is valued as preparation for...
graduate work in many professions, as well as careers in nonprofits, state and local government, and business.

The curriculum in Sociology has been designed to develop a comprehensive understanding of human society and to provide enough flexibility for students to pursue areas of individual career or personal interest.

Requirements

Sociology majors must complete at least 33 credit hours of work in the discipline. Transfer students must take a minimum of five courses (15 credit hours) in Sociology at Roosevelt University, including at least 12 credit hours at the 300 level. All majors must complete the core courses listed below.

Minimum grade of C- in the major, with an overall GPA of 2.0

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<td>CONTEMPORARY GLOBAL ISSUES</td>
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<td>SOC 212</td>
<td>CONTEMPORARY URBAN ISSUES</td>
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<td>SOC 290</td>
<td>THE RESEARCH PROCESS</td>
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<td>SOC 303</td>
<td>THE DEVELOPMENT OF SOCIOLOGY</td>
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ELECTIVES (4 must be 300 level)  

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<td>SOCIOLOGY OF CHICAGO NEIGHBORHOODS</td>
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<tr>
<td>SOC 215</td>
<td>THE FAMILY</td>
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<tr>
<td>SOC 223</td>
<td>SPORTS AND SOCIETY</td>
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<td>SOC 225</td>
<td>MCDONALIZATION OF SOCIETY</td>
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<td>SOC 260</td>
<td>SOCIETY AND THE INDIVIDUAL</td>
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<td>SOC 291</td>
<td>SOCIAL STATISTICS: INTRODUCTION TO PROBABILITY &amp; STATISTICS</td>
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<td>SOC 318</td>
<td>SOCIAL MOVEMENTS AND SOCIAL CHANGE</td>
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<td>SOC 319</td>
<td>LATINO URBAN EXPERIENCE</td>
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<td>SOC 326</td>
<td>RACE, GENDER &amp; THE MASS MEDIA</td>
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<td>SOC 327</td>
<td>RACE &amp; ETHNIC RELATIONS</td>
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<td>SOC 329</td>
<td>WHITENESS IN A GLOBAL SOCIETY</td>
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<td>SOC 330</td>
<td>SOCIOLOGY OF MENTAL HEALTH AND ILLNESS</td>
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<td>SOC 331</td>
<td>CRIMINOLOGY</td>
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<td>SOC 339</td>
<td>SOCIOLOGY OF DEATH, DYING &amp; LOSS</td>
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<td>SOC 342</td>
<td>GLOBAL RACE</td>
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<td>SOC 346</td>
<td>COMMUNITY ORGANIZING</td>
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<td>SOC 354</td>
<td>GENDER, POWER, &amp; THE BODY</td>
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<td>SOC 355</td>
<td>URBAN INEQUALITY AND SOCIAL JUSTICE</td>
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<td>SOC 356</td>
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<td>SOC 360</td>
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General Education, University Writing Requirement, and Electives  

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<th>Title</th>
<th>Credit Hours</th>
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<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Ideas Across Disciplines  

3 credits in coursework categorized as Ideas.  

Humanities and Fine and Performing Arts  

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies  

Mathematics  

MATH 110 QUANTITATIVE LITERACY (or above)  

Science  

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)  

Social Sciences  

9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies  

Experiential Learning  

6 credits from coursework categorized as Experiential Learning.  

Total Credit Hours  

120

1 One course must address social inequality and should be chosen in consultation with an advisor.

For further details about programs and courses in Sociology or to set up an appointment to discuss the program, please contact the Chair of Sociology, at (312)341-3671.

CORE Requirements (General Education)

<table>
<thead>
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<tbody>
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<td>TRANSFER SUCCESS 101</td>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<td>ENG 102</td>
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<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
• Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
• Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
• Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Sustainability Studies, BA

Roosevelt University’s Sustainability Studies (SUST) program is an interdisciplinary and environmentally-focused undergraduate degree, with major and minor options. Founded in 2010, it was the first sustainability bachelor’s degree program in the Chicago area. Its overall goals include:

- Engaging students in the pressing ecological, economic, political, and social concerns surrounding climate change, energy production, food systems, resource consumption, transportation, urban development, water supply and quality, waste and recycling, and other topics.
- Fostering students’ environmental literacy using classroom, online, and field-based instruction in the natural sciences, social sciences, and humanities.
- Exploring social justice issues on a range of fronts, including environmental justice, resource allocation, urban development, and social equity.
- Establishing Roosevelt University as a leader in sustainability education, particularly in relation to social justice and sustainable urban development.

Students graduating with a major in Sustainability Studies will have an interdisciplinary understanding of the varied dimensions of sustainability, both from a local and global perspective; be fluent in articulating how sustainability issues relate to matters of the environment, the economy, and social equity; and demonstrate proficiency in critical thinking, reading, writing, and research. **More specifically, students will learn how to:**

- Identify and explain the central sustainability problems of the 21st century in multiple arenas, including energy, transportation, food production, waste management, water availability, conservation, and general consumption.
- Draw on a foundation of scientific, environmental, and quantitative literacy in order to understand and assess the science behind major sustainability problems, such as climate change, loss of biodiversity, and the threats to natural resources.
- Apply the scientific method and quantitative literacy skills to the study of natural and social ecosystems.
- Recognize the local, national, and global social justice implications of resource allocation, food production, energy consumption, and waste production.
- Understand the political processes and policy actors central to progress in sustainability.
- Understand the importance of leadership as central to social change and technical innovation with respect to creating more sustainable communities.
• Apply knowledge about sustainability to their areas of personal interest and/or work professions.

**Requirements**

The overall requirements for the BA in Sustainability Studies include eight core Sustainability courses, two Sustainability electives, selected general education courses, and general electives. Grades of C- or higher are required in all SUST core and elective courses. SUST majors are strongly encouraged to pursue a minor and/or double major in a related field of interest after consulting with an academic advisor.

**Core requirements:** ENG 101 COMPOSITION I: CRITICAL READING & WRITING is a pre-requisite for all 200-level SUST courses; the university writing requirement is a pre-requisite for all 300-level SUST courses.

<table>
<thead>
<tr>
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<td>SUST 220</td>
<td>WATER</td>
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<tr>
<td>SUST 230</td>
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<td>WASTE</td>
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</tr>
<tr>
<td>SUST 310</td>
<td>ENERGY AND CLIMATE CHANGE</td>
<td>3</td>
</tr>
<tr>
<td>SUST 320</td>
<td>SPRAWL, TRANSPORT, PLANNING</td>
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<tr>
<td>SUST 330</td>
<td>BIODIVERSITY</td>
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<tr>
<td>SUST 370</td>
<td>MAPPING FOR SUSTAINABILITY</td>
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**SUST Electives**

Select two of the following:

- SUST 250 THE SUSTAINABLE UNIVERSITY
- SUST 340 POLICY, LAW, ETHICS
- SUST 350 SERVICE AND SUSTAINABILITY
- SUST 360 WRITING URBAN NATURE
- SUST 361 URBAN ECOLOGY
- SUST 390 SPECIAL TOPICS IN SUSTAINABILITY
- SUST 394 INDEPENDENT STUDY
- SUST 395 SUSTAINABILITY STUDIES INTERNSHIP

**General Education, University Writing Requirement, and Electives**

Courses to total 120

<table>
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<tr>
<th>Code</th>
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<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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</table>

**Communication Requirement**

- ENG 101 COMPOSITION I: CRITICAL READING & WRITING
- ENG 102 COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH

**Ideas Across Disciplines**

3 credits in coursework categorized as Ideas.

**Humanities and Fine and Performing Arts**

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies

**Mathematics**

- MATH 110 QUANTITATIVE LITERACY (or above) 1

**Science**

One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors)

**Total Credit Hours**

1  Higher level of Math may be required by major

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students may apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.
## Year 1

<table>
<thead>
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<td>SUST 210</td>
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<td>Biological Science</td>
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<td>Physical Science</td>
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## Year 4

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<td></td>
<td>15</td>
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</table>

Total Credit Hours 120

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1. One Natural Science course must have a lab.
2. SUST majors and minors are encouraged to take SUST 101 Humans & Nature to satisfy the Ideas Across Disciplines CORE requirement. Alternatively, another Ideas course may fulfill this requirement.
3. Experiential Learning class must be 200/300 level and can be a SUST course or taken outside the major. SUST options include SUST 250, 330 (at FMNH), 350, and 395
4. Or course toward an optional Minor and/or Double Major.
5. SOC 101 and SOC 300 recommended

## Women's and Gender Studies, BA

The Women's and Gender Studies major emphasizes an interdisciplinary framework in which students explore and synthesize multiple perspectives on historical and contemporary issues concerning women, gender, and sexuality. This approach stresses intersectional analysis of gender and sexuality in relation to race, ethnicity, class, culture, nationality, ability, and other factors that shape experiences, identities, cultural productions, and ways of knowing. The Women's and Gender Studies curriculum also examines social institutions and networks of power while considering avenues of resistance, justice, and transformation. Courses are taught from a variety of disciplinary perspectives, by faculty with expertise ranging from the humanities to the social sciences.

During their course of study at Roosevelt University, Women's and Gender Studies majors learn to:

- Communicate clearly and effectively in written, oral, and/or digital formats;
- Select and employ appropriate research methodologies and methods;
- Define and deploy keywords and concepts in women's, gender, and sexuality studies;
- Understand histories and undertake practices of civic engagement; and
- Critically analyze, compare, and/or evaluate texts and theories.

The Women's and Gender Studies major provides a valuable foundation for careers in education, journalism, business, public affairs, the arts, the humanities, and the social sciences.

The Women's and Gender Studies major consists of 30 credit hours of coursework.

Five courses, or 15 credit hours, of WGS core courses at the 100 and 200 level, including at least one at the 100 level.

- WGS 112: Gender Debates may count toward both the major and Core Ideas requirements.

Five courses or 15 credit hours at the 300 level, including:

- At least 3 WGS core courses, those that originate in Women's and Gender Studies and have the WGS prefix.
- Two WGS core courses or interdisciplinary electives, those with a Women's and Gender Studies attribute.
- Students are encouraged to sign up for an internship in their junior or senior year.

All courses counting toward the WGS major must be passed with a C- or higher.

WGS majors who are transfer students must complete at least 12 credit hours at Roosevelt University.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>WGS 110</td>
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<td>WGS 112</td>
<td>GENDER DEBATES</td>
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<td>WGS 201</td>
<td>SPECIAL TOPICS IN WOMEN'S AND GENDER STUDIES</td>
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<tr>
<td>WGS 214</td>
<td>GLOBAL VOICES</td>
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<tr>
<td>WGS 216</td>
<td>POPULAR CULTURE AND POWER</td>
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<tr>
<td>WGS 218</td>
<td>ACTION: INTERSECTION &amp; COALITION</td>
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<tr>
<td>WGS 220</td>
<td>POLITICS OF SEX</td>
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<tr>
<td>WGS 222</td>
<td>SEX AND GENDER IN THE CITY</td>
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</table>

Choose three 300-level Core WGS courses: 9

- WGS 303 TOPICS IN GLOBAL FRAMEWORKS
- WGS 304 TOPICS IN IDENTITY, KNOWLEDGE, AND POWER
- WGS 305 TOPICS IN CULTURE AND REPRESENTATION
- WGS 306 TOPICS IN ACTION, ADVOCACY, AND RESISTANCE
- WGS 307 TOPICS IN HISTORICAL PERSPECTIVES
- WGS 311 FEMINISM AND HISTORICAL PHILOSOPHY
- WGS 312 GLOBAL FEMINIST ETHICS
- WGS 313 THE BODY: AGENCY, PAIN, DESIRE
- WGS 314 FASHION: THE POLITICS OF STYLE
- WGS 315 WHAT IS A FAMILY?
- WGS 399 INTERNSHIP IN THE COMMUNITY

Choose two additional 300-level Core WGS or Interdisciplinary electives: 6

For Core WGS 300-level electives, see above

Recent examples of Interdisciplinary Electives include:

- HIST 308 WOMEN & THE RUSSIAN REVOLUTION
- HIST 383 WOMEN, GENDER, AND POWER IN UNITED STATES HISTORY
- POS 327 SEXUALITY, GENDER, AND INTERNATIONAL HUMAN RIGHTS
- PSYC 345 PSYCHOLOGY OF GENDER
- SOC 340 GENDER AND SOCIETY
- SOC 354 GENDER, POWER, & THE BODY

Total Credit Hours: 120

**CORE Requirements (General Education)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
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<td>FYS 101</td>
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<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>COMM 101</td>
<td>PUBLIC SPEAKING (or program specific CORE communications course)</td>
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<td><strong>Ideas Across Disciplines</strong></td>
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<td>3 credits in coursework categorized as Ideas.</td>
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<td></td>
<td><strong>Humanities and Fine and Performing Arts</strong></td>
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</table>

Mathematics

- MATH 110 QUANTITATIVE LITERACY (or above) 3

Science

- One biological science and one physical science required (at least one must be a four-hour lab). (Not applicable for science majors) 7-8

Social Sciences

- 9 credits from the following subject areas: African-American Studies, Anthropology, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women’s and Gender Studies 9

Experiential Learning

- 6 credits from coursework categorized as Experiential Learning. 6

Total Credit Hours: 47-48

1. Higher level of Math may be required by major.

These quantitative requirements also apply to degrees:

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
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**Year 1**

<table>
<thead>
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<th>Fall</th>
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<td>MATH 110</td>
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### Humanities #1  
3 WGS 2XX

### Social Science #1  
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<td>Humanities #3</td>
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<tr>
<td>COMM 101</td>
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| Total | 16 | 16 |

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| Total | 15 | 15 |

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</table>

| Total | 15 | 15 |

Total Credit Hours 120

1. Or course towards an optional Minor.
2. Any course at the 200 level within the discipline.
3. Any course at the 300 level within the discipline.
4. Experiential Learning class must be 200/300 level and can be a WGS course or taken outside the major. Satisfies CORE Experiential Learning requirement. EXL courses can satisfy major requirements/electives or CORE requirement
5. One Natural Science course must have a lab.
6. WGS 112 recommended.

**Accelerated Degrees: Bachelors to Masters**

Accelerated programs allow students to complete an undergraduate and graduate degree typically in 5 years, saving money and time. Students enroll in a specified set of 3 graduate courses in their senior year to count for both the undergraduate and graduate degree requirements. The remaining graduate courses can be completed in one calendar year. NOTE: Some graduate programs, in and of themselves, can be completed in one calendar year. These are not considered part of the accelerated programs.

Eligibility: The majority of students are eligible to apply for an accelerated program after completing 75 credit hours and before completing 90 credit hours. The ideal time to apply is at the end of 1st-semester junior year in time to register for senior year courses in the 2nd semester of junior year. Please consult your advisor for final eligibility.

Process: Students meet with their advisor and the respective graduate program director. If admitted to the accelerated program, the student will register for the 3 graduate courses and formally apply to the graduate program.

- Actuarial Science, BS/MS Mathematics (http://catalog.roosevelt.edu/undergraduate/arts-sciences/actuarial-science-bs-mathematics-ms-accelerated-program/)
- Actuarial Sciences, BS/MS Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/actuarial-sciences-bsms-accelerated-program/)
- Biology, BA to Secondary Education, MA Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/biology-ba-secondary-education-ma-accelerated-program/)
- Biology, BS/BA to Biology, MS Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/biology-bsba-biology-ms-accelerated-program/)
- Clinical Psychology (Counseling Practice), BA/MA Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/counseling-practice-ba-ma-accelerated-program/)
- Computer Science, BS/MS Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/computer-science-bsms-accelerated-program/)
- Criminal Justice, BA/MPA Public Administration (http://catalog.roosevelt.edu/undergraduate/arts-sciences/criminal-justice-accelerated-program/)
- Cyber Security & Information Assurance, BS/MS Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/cyber-security-information-assurance-bs-cyber-security-information-assurance-ms-accelerated-program/)
- Data Analytics, BS/MS Computer Science Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/data-analytics-bs-computer-science-ms-accelerated-program/)
- English, BA to Secondary Education, MA Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/english-ba-secondary-education-ma-accelerated-program/)
- Health Science Administration, BA/MPA Public Administration (http://catalog.roosevelt.edu/undergraduate/arts-sciences/health-science-administration-bampa-accelerated-program/)
- History, BA to Secondary Education, MA Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/history-ba-secondary-education-ma-accelerated-program/)
- Information Technology, BA/MBA Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/information-technology-ba-mba-accelerated-program/)
- Information Technology, BA/MS Computer Science Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/information-technology-ba-computer-science-ms-accelerated-program/)
- Information Technology, BA/MS Cyber Security and Information Assurance Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/information-technology-ba-cyber-security-information-assurance-ms-accelerated-program/)
- Integrated Marketing Communications, BA/MS Accelerated Program (http://catalog.roosevelt.edu/undergraduate/arts-sciences/integrated-marketing-communications-bams-accelerated-program/)
Minors

Undergraduate students may choose one or more secondary areas of specialization, called minors, along with their majors. Minors typically require between 12 and 18 credit hours (four to six classes). Students majoring in one program often elect to complete a minor in another program and even in another college. Students should consult with their academic advisor to determine if a minor fits their academic plan.

- Actuarial Science, Minor (p. 144)
- African American Studies, Minor (p. 145)
- Biology, Minor (p. 145)
- Chemistry, Minor (p. 146)
- Computer Science, Minor (p. 146)
- Criminal Justice, Minor (p. 146)
- Data Analytics, Minor (p. 146)
- Documentary Studies, Minor (p. 147)
- Economics, Minor (p. 147)
- English, Minor (p. 148)
- Environmental Science, Minor (p. 148)
- Film Studies, Minor (p. 149)
- Fine Art, Minor (p. 149)
- Hispanic Studies, Minor (p. 150)
- History, Minor (p. 151)
- Information Technology, Minor (p. 151)
- Integrated Marketing Communications, Minor (p. 152)
- International Studies, Minor (p. 152)
- Journalism, Minor (p. 153)
- Legal Studies, Minor (p. 153)
- Mathematics, Minor (p. 153)
- Media Studies, Minor (p. 154)
- Paralegal Studies Minor (p. 154)
- Philosophy, Minor (p. 155)
- Political Science, Minor (p. 155)
- Psychology, Minor (p. 156)
- Social Justice Studies, Minor (p. 156)
- Sociology, Minor (p. 157)
- Statistics, Minor (p. 157)
- Sustainability Studies, Minor (p. 157)
- Women’s and Gender Studies, Minor (p. 158)
- Writing, Minor (p. 159)

Actuarial Science, Minor

Our actuarial science minor allows students to prepare for one of the professional exams of the Society of Actuaries (https://www.soa.org/) and the Casualty Actuary Society (http://www.casact.org/) or to earn the Societies’ VEE credit (https://www.soa.org/education/exam-reg/edu-vee.aspx) in the area of applied statistics. Students will be able to specialize in probability, financial mathematics, or statistical modeling. All of these options are especially helpful for a student in business or economics that wishes to strengthen their quantitative skills. Students completing the minor will have a chance to network with actuaries that are employed in the industry and learn about professional skills and culture (through ACSC 101 ACTUARIAL CAREER). The calculus coursework will give them the mathematical framework necessary for work in financial mathematics.

As described in the Occupational Outlook Handbook of the U.S. Bureau of Labor Statistics (http://www.bls.gov/ooh/), actuaries answer questions about future risk, make pricing decisions and formulate investment strategies. Any time a company must decide whether to pursue a course of action involving substantial financial risk, they need to consult an actuary. An actuary uses quantitative tools to analyze and plan for future financial situations, such as determining an appropriate price for a company that is about to merge with another business or designing a retirement plan for a company. In addition to insurance companies, actuaries work in government, banks, financial planning and investment companies, consulting firms, public accounting firms, large industrial corporations and labor unions.

Requirements

Students will be required to take at least six credit hours of 200/300 level courses at Roosevelt. Students must earn a C or higher in each of the courses in order to continue with the minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACSC 101</td>
<td>ACTUARIAL CAREER</td>
<td>1</td>
</tr>
<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 232</td>
<td>CALCULUS II</td>
<td>5</td>
</tr>
<tr>
<td>Electives (6 credit hours)</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MATH 233</td>
<td>CALCULUS III</td>
<td></td>
</tr>
<tr>
<td>ACSC 347</td>
<td>PROBABILITY THEORY</td>
<td></td>
</tr>
<tr>
<td>ACSC 349</td>
<td>REGRESSION &amp; TIME SERIES</td>
<td></td>
</tr>
<tr>
<td>ACSC 367</td>
<td>FINANCIAL MATH</td>
<td></td>
</tr>
<tr>
<td>ACSC 378</td>
<td>TOPICS IN ACTUARIAL MATH (Advisor permission required)</td>
<td></td>
</tr>
<tr>
<td>ACSC 380FM</td>
<td>ACTUARIAL SCIENCE SEMINAR:EXAM FM/2</td>
<td></td>
</tr>
<tr>
<td>ACSC 380P</td>
<td>ACTUARIAL SCIENCE SEMINAR: EXAM P/1</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 17

Due to the overlap in the calculus sequence, mathematics majors who wish to complete an actuarial science minor must take at least five courses designated as ACSC courses, including ACSC 101 ACTUARIAL CAREER, that are not counted as part of the credit for their mathematics major. That set of five courses may include courses that are cross-listed as math courses, but these cannot be double counted as a part of their major. Students are encouraged to discuss their class choices with their advisor.
African American Studies, Minor

There are two options for a minor in African American Studies - AFS minor and Drake Fellows minor, both of which will help students gain an interdisciplinary understanding on past and present social, economic, and political conditions of Africans and people of African descent, and to connect their struggles for social and economic justice with those of disenfranchised peoples throughout the world. Both minor options are open to students across colleges, and many of the courses will also count toward general education and non-western requirements.

The minor requires 5 courses in African and African American Studies, including 3 core courses and 2 electives. At least 3 courses must be taken at Roosevelt, of which 2 courses must be at the 300 Level.

Students also have the option of completing the Drake Fellows minor by completing a 6th course chosen with a Drake Faculty member. At least 4 courses must be taken at Roosevelt, of which at least 3 must be at the 300 Level. In addition to the required number of hours, Drake Fellow Minors are required to participate in Drake Center events and activities. Drake Fellows will also have the opportunity to work closely with Drake Center Affiliated Faculty on research projects in which the faculty is involved as well as their own research interests.

The St. Clair Drake Center is involved in a range of interdisciplinary courses that can be used as electives to fulfill the requirements for the minor in African and African-American Studies.

A grade of C- or higher is required in all courses with an overall GPA of 2.0.

Biology, Minor

The biology minor is suitable for students who wish to increase their understanding of biological principles in order to complement their major areas of study in chemistry, psychology, business, education, computer science and the humanities. The minor is earned by successfully completing a minimum of 15 credit hours of biology courses.

Standards

Students must complete all courses counted towards the Biology minor with a grade of C- or higher, and a cumulative GPA of 2.0.

Requirements

Students who have transferred three or more biology courses may earn a minor in Biology (at least 15 credit hours) by completing at least two additional biology courses (at least one with laboratory) totaling at least 8 credit hours at Roosevelt University.

Prerequisites

None of the courses listed below for non-science Majors has a chemistry prerequisite.

Recommended for Non-science Majors

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111</td>
<td>HUMAN BIOLOGY</td>
<td>15</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>ENVIRONMENTAL BIOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 123</td>
<td>ANATOMY &amp; PHYSIOLOGY I</td>
<td></td>
</tr>
<tr>
<td>BIOL 124</td>
<td>ANATOMY &amp; PHYSIOLOGY II</td>
<td></td>
</tr>
<tr>
<td>BIOL 302</td>
<td>DIVERSITY AND EVOLUTION</td>
<td></td>
</tr>
<tr>
<td>BIOL 324</td>
<td>MARINE BIOLOGY</td>
<td></td>
</tr>
</tbody>
</table>

One additional Biology elective
Recommended for Science Majors and Other Students with the Appropriate Chemistry Background

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS</td>
<td></td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY</td>
<td></td>
</tr>
</tbody>
</table>

Select at least 15 credit hours in biology: 15

One additional Biology elective

Chemistry, Minor

The Chemistry minor provides comprehensive training in chemistry through completion of the general chemistry and organic chemistry core courses, and an additional laboratory course in analytical or organic chemistry. Chemistry is a useful minor for students majoring in Biology, Allied Health, Psychology, Sustainability, Business, Criminal Justice, or Elementary or Secondary Education, and/or for students anticipating post-baccalaureate study in medicine, pharmacy, dentistry, or other health professions. Student may earn a minor in Chemistry by completing 25 credit hours.

Requirements

Residency requirement. At least 8 credit hours of Chemistry, including at least one laboratory course, must be completed at Roosevelt University.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I (3 credit hour lecture, 2 credit hour lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>GENERAL CHEMISTRY II (3 credit hour lecture, 2 credit hour lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I (3 credit hour lecture, 2 credit hour lab)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 212</td>
<td>ORGANIC CHEMISTRY II (3 credit hour lecture, 2 credit hour lab)</td>
<td>5</td>
</tr>
</tbody>
</table>

Chemistry Laboratory Elective

Select one of the following: 5

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 237</td>
<td>QUANTITATIVE ENVIRONMENTAL ANALYSIS (3 credit hour lecture, 2 credit hour lab)</td>
<td></td>
</tr>
<tr>
<td>CHEM 313</td>
<td>ADVANCED ORGANIC CHEMISTRY LAB (3 credit hour lecture, 2 credit hour lab)</td>
<td></td>
</tr>
<tr>
<td>CHEM 337</td>
<td>INSTRUMENTAL ANALYSIS (3 credit hour lecture, 2 credit hour lab)</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 25

Computer Science, Minor

The Computer Science minor is a great way to broaden your horizons to gain a deeper understanding of computing technology. Students may earn a minor in Computer Science by successfully completing five courses in CST.

Requirements

Five courses in CST are required. At least three of these must be taken at Roosevelt.

All CST courses must be passed with a grade of C- or higher. Note: Some CST courses have mathematics prerequisites.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 150</td>
<td>COMPUTER SCIENCE I</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives

Two CST electives at the 200 level or higher 6

Two CST electives at the 300 level 6

Total Credit Hours 16

Criminal Justice, Minor

Students majoring in other subjects can minor in Criminal Justice. Courses in the minor explore how societies balance social control and individual rights and how legal systems are practiced in everyday life. Students discuss what causes criminal behavior and what makes effective crime policy. They learn about systems for controlling, deterring and punishing crime, and they examine the role of police, prosecutors, courts, defense attorneys, juries, jails, and prisons in creating the modern criminal justice system.

Requirements

• 18 credit hours in Criminal Justice courses, including 12 credit hours required at Roosevelt
• Grade of C- or higher in all CJL courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJL 200</td>
<td>INTRODUCTION TO CRIMINAL JUSTICE</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Three Criminal Justice electives at the 300-level 9

Two Criminal Justice electives at the 200-level or higher 6

Total Credit Hours 18

Data Analytics, Minor

The Data Analytics Minor is an applied program intended to stand on its own as a comprehensive set of valuable life and workplace quantitative skills and competencies. Each of the courses in the minor directly contributes to a student’s ability as a member of the 21st century professional workforce. The minor also serves to augment and enhance the quantitative skills of students in the full array of majors at Roosevelt University.

Students will learn basic statistical methods through the use of spreadsheet software such as Excel and statistical packages such as R. Students will learn database tools, predictive analytics, Google analytics and other quantitative data tools focusing on analysis and presentation skills.

A strong focus is placed on teams, communication, and presenting information to stakeholders and decision-makers of all kinds and at all levels, and in all forms and formats, such as presentations, grant
proposals, program evaluation; project summaries, budget proposal, reports, etc.

Requirements

All five required Data Science courses in the Data Analytics minor must be passed with a C- or higher. An overall GPA of 2.0 is required in these courses. Students for whom one of the courses listed below is required in their major, must coordinate substituting an appropriate course in the minor, with the Director of Data Science.

At least three of the five courses in the minor must be completed at Roosevelt University.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSIT 103</td>
<td>INTRODUCTION TO DATA ANALYTICS</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 200</td>
<td>INTRODUCTORY STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>DSIT 202</td>
<td>STAT COMPUTING WITH SOFTWARE</td>
<td>3</td>
</tr>
<tr>
<td>DSIT 336</td>
<td>ADVANCED EXCEL METHODS</td>
<td>3</td>
</tr>
<tr>
<td>DSIT 369</td>
<td>PREDICTIVE ANALYTICS</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

1 Students who take a statistics course (Math 217, ECON 234, SOC 291, etc) as part of their major will be required to find 3 additional Data Science related credits to complete their minor with 15 credits.

Documentary Studies, Minor

The Documentary Studies minor is interdisciplinary (Journalism and Media Studies/Art/English/Creative Writing) and is designed to engage students interested in documentary photography, video, audio, and narrative production fieldwork. Courses incorporate practical, theoretical, and historical content and methods, and introduce students to and expand their knowledge of documentary practices.

The minor exposes students to work by documentary filmmakers, photographers, and writers and allows them to explore and create their own documentary projects. Most courses will consist of readings, classroom discussions, and laboratory work in photography, video, audio, or narrative production. This careful study of excellent models, plus up-to-date production skills, will equip students to connect with and engage various communities; students with documentary production skills can work in a variety of industries.

The Department of Communication, the home for this minor, is also home to the Torch student newspaper, WRBC The Blaze radio station, and the Gage Gallery – outlets that offer students the unique ability to create content that influences readers and viewers inside and outside Roosevelt University.

Prerequisites

COMM 201 COMMUNICATION IN THE INFO AGE is the prerequisite course for this minor, with a grade of C (not C-) or better is required.

Requirements

Six courses (18 credit hours) in Journalism and Media Studies/Art/English/Creative Writing make up the minor in Documentary Studies.

- Transfer students must complete three courses (9 credit hours) at Roosevelt.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JMS 219</td>
<td>INTRODUCTION TO MEDIA PRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>JMS 307</td>
<td>VISUAL STORYTELLING</td>
<td>3</td>
</tr>
<tr>
<td>JMS 328</td>
<td>DOCUMENTARY PHOTOGRAPHY</td>
<td>3</td>
</tr>
<tr>
<td>JMS 339</td>
<td>WRITING: THE DOCUMENTARY AESTHETIC</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select two of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRWR 252</td>
<td>CREATIVE NONFICTION WRITING</td>
<td>6</td>
</tr>
<tr>
<td>JMS 325</td>
<td>PHOTOGRAPHY</td>
<td></td>
</tr>
<tr>
<td>ART 343</td>
<td>PRODUCING THE DOCUMENTARY PHOTOGRAPHY EXHIBITION</td>
<td>6</td>
</tr>
</tbody>
</table>

Any 3-hour non-fiction writing course also may be used as one of the two electives for this minor.

Total Credit Hours | 18

Economics, Minor

A minor in Economics complements almost every major. At Roosevelt, Economics students explore the economy and how it works with a focus on issues of equality and equity as well as the more traditional emphasis on efficiency. Course offerings regularly include courses addressing the market economy, the business cycle, financial crises, economic policy, theories of justice, political economy, international trade and development, the economics of women, contemporary labor problems, money and banking, the history of economics, applied economics, and statistics/econometrics. A minor in economics can help students in starting almost any career path. Business students can minor in economics to follow career paths in government service, or with non-profits, or public service organizations or finance. Humanities students can minor in economics to follow career paths in banking, business, and finance, as well as in government service and with non-profits. Science students can minor in economics to follow career paths in public health, finance, and business. Economics minors are also eligible to enroll in an Internship in Economics to get a foot in the door to the world of work.

Requirements

The requirements for the minor in Economics are six courses (18 credit hours). At least two of the courses must be taken at Roosevelt, and one of these must be at the 300 level. A minimum grade of C in courses for the minor and an overall GPA of 2.0 are required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101</td>
<td>PRINCIPLES OF ECONOMICS I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>PRINCIPLES OF ECONOMICS II</td>
<td>3</td>
</tr>
<tr>
<td>ECON 321</td>
<td>INCOME &amp; EMPLOYMENT THEORY</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 323</td>
<td>PRICE THEORY</td>
<td></td>
</tr>
</tbody>
</table>

Electives
Three economic electives, at least one at the 300 level  

Total Credit Hours  

18

English, Minor

The English Minor will develop cultural knowledge, research techniques and critical communication skills that complement a student’s work in any of the other academic majors in the university.

Requirements

This minor sequence (six courses) includes two courses from the British and American survey sequence (ENG 210 BRITISH LITERATURE TO 1789, ENG 211 BRITISH LITERATURE 1789 TO PRESENT, ENG 212 AMERICAN LITERATURE TO 1865, ENG 213 AMERICAN LITERATURE 1865-PRESENT), the analytical interpretation course (ENG 220 INTRODUCTION TO LITERARY ANALYSIS), and three electives at the 300-level. Students should choose 300-level courses based on the foundation they have established in the surveys they have chosen, in consultation with an English faculty advisor.

Students must maintain a 2.5 GPA in the minor, and must earn grades of C- or higher in all coursework taken for the minor. Transfer students must complete at least three ENG courses at Roosevelt, and at least TWO of these courses must be at the 300 level.

Environmental Science, Minor

Students pursuing degrees in biology, biochemistry, sustainability studies, or any discipline may take a minor sequence of courses in Environmental Science in order to prepare for a career or explore an interest in addressing the relationship between humans and the environment. The minor is appropriate for individuals who wish to enhance their career prospects in government agencies, environmental law, non-profit organizations, or environmental consulting.

Requirements

All students: Begin with introductory PHSC 105 INTRODUCTION TO ENVIRONMENTAL SCIENCE which can be taken as early as the first semester with no prerequisites. All students end with the capstone course, 3 credit hours of independent research, or 3 credit hours of discipline-related internship. At least one course taken must be a lab course. Independent research may fulfill this requirement.

Students must take at least one course from 3 of the following 4 subject areas (biology, environmental chemistry, physical science and quantitative methods).

Environmental Chemistry

Select one of the following:

- CHEM 201 GENERAL CHEMISTRY I
- CHEM 202 GENERAL CHEMISTRY II
- CHEM 211 ORGANIC CHEMISTRY I
- CHEM 237 QUANTITATIVE ENVIRONMENTAL ANALYSIS

Physical Science Subject Area

Select one of the following:

- PHSC 103 GLOBAL CLIMATE CHANGE
- PHSC 104 SEVERE AND UNUSUAL WEATHER
- SUST 330 BIODIVERSITY

Quantitative Methods

Select one of the following:

- BIOL 314 QUANTITATIVE ECOLOGY AND CONSERVATION
- BIOL 318 BIOSTATISTICS
- CHEM 337 INSTRUMENTAL ANALYSIS
- SUST 220 WATER
- MATH 217 ELEMENTARY STATISTICS

Capstone Course

Determined with advisor may include the following:

- BIOL 314 QUANTITATIVE ECOLOGY AND CONSERVATION
- BIOL 369 CONSERVATION BIOLOGY: AFRICA
- SUST 395 SUSTAINABILITY STUDIES INTERNSHIP

Total Credit Hours  

15-17
Consult academic advisor to select substitute capstone course. Suitable substitute include independent research or discipline-specific internship.

**Regulations**

- Students who have transferred three or more equivalent courses may earn a minor in environmental science by completing at least two additional required courses at Roosevelt University.
- Courses used to satisfy a supporting sequence can be applied to a minor, but no course can be applied to simultaneously satisfy requirements of a major and a minor. No course can be used to simultaneously satisfy requirements of two minors.
- Students must complete the final 30 credit hours of their degree at Roosevelt University. Courses applying to the minor must be taken on a letter grade basis.

**Film Studies, Minor**

Students interested in film may complete this six-course sequence that emphasizes the visual language of film and the medium's role in representing culture since its emergence in the 20th century. The core courses in the curriculum highlight the particular ways in which film engages its content, the varieties of interpretive elements and strategies that film entails, and the relationship between the historical development of the medium and the histories of the cultures in which it is embedded. Advanced elective courses include interdisciplinary courses in African-American Studies, English, History, Philosophy and Women’s and Gender Studies focused on topics related to particular cinematic themes and genres.

**Standards**

Students will earn the Film Studies minor with a GPA of 2.5 in all eligible FILM courses; only grades of C- or higher will count toward the minor. Students must take at least one FILM course at the 300-level to earn the minor. Transfer students must complete at least three FILM courses at Roosevelt, and one of those three courses must be at the 300-level.

**Requirements**

Students must take FILM 201 FUNDAMENTALS OF FILM STUDIES and FILM 205 FILM HISTORY. After completing these two courses, students may choose an additional four courses from among a wide array of courses cross-listed between a range of departments, including Creative Writing, Communication, English and Philosophy, among others. Students pursuing these cross-listed Film Studies courses should register for them under the FILM designation. Since many of these are topics courses, it is possible to take the same course number more than once, as long as the topic is different in each instance.

Sample special topics courses include:

- Black Panther and Beyond
- Comics and Film
- Chicago in Film
- Gender and Film Noir
- Monster Movies
- History and Film
- The Art of the Documentary
- Shakespeare and Film

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILM 201</td>
<td>FUNDAMENTALS OF FILM STUDIES</td>
<td>3</td>
</tr>
<tr>
<td>FILM 205</td>
<td>FILM HISTORY</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select four of the following (one must be 300 level):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILM 221</td>
<td>INTRODUCTION TO MEDIA PRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>FILM 253</td>
<td>SCREEN WRITING</td>
<td>3</td>
</tr>
<tr>
<td>FILM 341</td>
<td>TOPIC: FILM THEME OR PERIOD</td>
<td>3</td>
</tr>
<tr>
<td>FILM 360</td>
<td>SPECIAL TOPICS SEMINAR IN A SINGLE FILMMAKER</td>
<td>3</td>
</tr>
<tr>
<td>FILM 362</td>
<td>SPECIAL TOPICS SEMINAR IN A SINGLE FILMMAKER</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours**: 18

**Fine Art, Minor**

The fine art minor provides students with an opportunity to investigate, interrogate and create art in a socially-conscious context. A minor in Fine Art may be coupled with any major as art courses challenge students to be creative and critical thinkers as well as innovators and problem solvers. Students minoring in Fine Art enter fields as diverse as education, art therapy, non-profit management, marketing, media, technology and business.

As part of the requirements of the minor, degree seeking students in good standing may elect to take a maximum of one course at the School of the Art Institute of Chicago (SAIC). Roosevelt University students must register and receive credit for SAIC courses at Roosevelt. Registration is by consent only and requires the approval of both the SAIC and Roosevelt University Art program advisors.

**Requirements**

Students must earn a grade of C or higher in each course. At least two courses must be taken at Roosevelt University – one of which must be a 300 level.

The minor requires 15 credit hours including ART 101 INTRODUCTION TO THE VISUAL ARTS, EITHER ART 201 ANCIENT THROUGH MEDIEVAL ART OR ART 202 RENAISSANCE THROUGH MODERN ART, at least TWO studio art electives, and EITHER an Experiential Learning Elective OR an additional Fine Arts elective. Select your courses in consultation with an advisor from the list below:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>INTRODUCTION TO THE VISUAL ARTS</td>
<td>3</td>
</tr>
<tr>
<td>ART 201</td>
<td>ANCIENT THROUGH MEDIEVAL ART</td>
<td>3</td>
</tr>
<tr>
<td>or ART 202</td>
<td>RENAISSANCE THROUGH MODERN ART</td>
<td>3</td>
</tr>
<tr>
<td>Studio Art Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Select at least two of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200-level studio Art course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced studio Art course at the 300-level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>300-level Art course</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Studio courses at Roosevelt**

- Ceramics:
Hispanic Studies, Minor

Hispanic Studies, Minor combines the study of the Spanish language and an interdisciplinary approach to the Hispanic world. Students develop writing, reading, comprehension and speaking skills in Spanish and learn about the cultures, society, and politics of the Hispanic world from a variety of disciplines. In addition to literature, approved courses in History, Sociology, Political Science, and Economics, among other disciplines, earn credit toward the Hispanic Studies minor.

Requirements

- Students completing a minor in Hispanic Studies must take six courses, including SPAN 301 WRITING IN SPANISH and SPAN 312 STUDIES IN HISPANIC CIVILIZATION & CULTURE.
- Three of the six courses must be taken at Roosevelt University. Two of the three classes must be at the 300 level.
- Students must receive a grade of C- or higher, with an overall GPA of 2.0 in the minor.
- Five different courses of study are available to the student pursuing a minor (see options listed below). Students’ proficiency level in Spanish determines which course of study they follow.

Course Information

- **SPAN 301 WRITING IN SPANISH**: Conversation and Composition (in Spanish), offered every fall. This course is mandatory.
- **SPAN 312 STUDIES IN HISPANIC CIVILIZATION & CULTURE**: Readings in Hispanic Culture (in Spanish), offered every spring; This course develops students’ ability to read in Spanish while continuing to refine their writing, comprehension and speaking abilities. Short and classic texts by historic and contemporary Hispanic authors will be read. This course is mandatory.
- **3XX: Courses with a Hispanic Studies Attribute which are thematically related to the Hispanic world taught in English in the Departments of Literature and Languages, History, Sociology, Political Science, Economics, etc. Cross-listed 3XX courses can be taken before or at the same time as SPAN 301 WRITING IN SPANISH and SPAN 312 STUDIES IN HISPANIC CIVILIZATION & CULTURE.
- **Spanish Language Study at Kukulcan Language School in Cuernavaca, Mexico**: students can receive credit at the 1XX, 2XX or 3XX level, depending on their level of proficiency.

Option 1

This course of study is for a student who is beginning at the most basic level and consists of six courses with a three-year sequence minimum.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 101</td>
<td>BEGINNING SPANISH I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 102</td>
<td>BEGINNING SPANISH II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 201</td>
<td>INTERMEDIATE SPANISH I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>INTERMEDIATE SPANISH II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 301</td>
<td>WRITING IN SPANISH</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 312</td>
<td>STUDIES IN HISPANIC CIVILIZATION &amp; CULTURE</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

1 Open only to Juniors and Seniors; eligible for Experiential Learning credit.
Option 2
This course of study is for a student who is a beginner but has some basic Spanish knowledge. It consists of six courses with a three-year sequence minimum.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 102</td>
<td>BEGINNING SPANISH II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 201</td>
<td>INTERMEDIATE SPANISH I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>INTERMEDIATE SPANISH II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 301</td>
<td>WRITING IN SPANISH</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 312</td>
<td>STUDIES IN HISPANIC CIVILIZATION &amp; CULTURE</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Courses
2XX or 3XX Course with HISP ST attribute 3

Total Credit Hours 18

Option 3
This course of study is for a student who is at a basic intermediate level. It consists of six courses with a two-year sequence minimum.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 201</td>
<td>INTERMEDIATE SPANISH I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>INTERMEDIATE SPANISH II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 301</td>
<td>WRITING IN SPANISH</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 312</td>
<td>STUDIES IN HISPANIC CIVILIZATION &amp; CULTURE</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Courses
2XX or 3XX Course with HISP ST attribute 3

Total Credit Hours 18

Option 4

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 202</td>
<td>INTERMEDIATE SPANISH II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 301</td>
<td>WRITING IN SPANISH</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 312</td>
<td>STUDIES IN HISPANIC CIVILIZATION &amp; CULTURE</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Courses
2XX or 3XX Course with HISP ST attribute 3

Total Credit Hours 18

Option 5

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 301</td>
<td>WRITING IN SPANISH</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 312</td>
<td>STUDIES IN HISPANIC CIVILIZATION &amp; CULTURE</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Courses
2XX or 3XX Course with HISP ST attribute 3

Total Credit Hours 18

History, Minor
The History minor is an excellent companion to majors in criminal justice, economics, journalism, philosophy, sociology, women's and gender studies, computer science, and any other major that benefits from the research, writing, and deep thinking skills as well as historical knowledge gained from the study of history.

The minor requires six courses in history, including two courses chosen from: HIST 106 THE UNITED STATES TO 1865, HIST 107 THE UNITED STATES SINCE 1865, HIST 110 TOPICS: IDEAS IN HISTORY I, HIST 111 THE WORLD TO 1500, HIST 112 THE WORLD SINCE 1500, and four upper-level courses, at least two of which must be at the 300 level.

Requirements
The minor requires six courses in history.

Students must earn an overall GPA of 2.0 and a grade of C- or higher in each course.

At least two courses must be taken at Roosevelt University.

Information Technology, Minor
The IT minor contains courses which complement nearly any degree. Students who desire technology courses to enhance their appeal to employers should consider an IT minor. The IT minor is open to students with majors outside of the Computer Science Department.

Standards
All CST courses must be passed with a grade of C- or higher.
Requirements

Five courses in CST are required. At least three of these must be taken at Roosevelt.

All CST courses must be passed with a grade of C- or higher. Note: Some CST courses have mathematics prerequisites.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 100</td>
<td>ESSENTIAL COMPUTER SKILLS</td>
<td>3</td>
</tr>
<tr>
<td>or CST 101</td>
<td>BEYOND PC ESSENTIALS</td>
<td></td>
</tr>
<tr>
<td>or CST 150</td>
<td>COMPUTER SCIENCE I</td>
<td></td>
</tr>
</tbody>
</table>

Electives

Two CST electives at the 200 level or higher *

Advanced Information Technology Courses

Two Advanced CST electives at the 300 level *

Total Credit Hours 15

* Courses chosen in consultation with Advisor

Integrated Marketing Communications, Minor

Students can complete a minor in the Digital Marketing, Advertising, and Public Relations program by taking five courses: three required courses plus their choice of two additional IMC electives.

The minor is 15-16 total credit hours, depending on which two courses a student chooses as electives. An internship in the field is an optional course for students in this minor.

Prerequisites

COMM 201 COMMUNICATION IN THE INFO AGE is the prerequisite course for this minor, with a grade of C (not C-) or better.

Requirements

Five courses (15-16 credit hours) are required for the minor in Digital Marketing, Advertising, and Public Relations. Students must complete three core courses plus two elective IMC courses, at least one of which must be 300 level.

• Transfer students must complete at least three IMC courses (9 credit hours) at Roosevelt, including at least one 300-level IMC course.
• No 100-level courses may count toward the hours required for this minor.
• No pass/fail grades are accepted for this minor.
• All courses for the minor must be completed with a minimum grade of C (not C-) or better.

<table>
<thead>
<tr>
<th>Code/Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMC 202 IMC PRINCIPLES/BEST PRACTICES</td>
<td>3</td>
</tr>
<tr>
<td>Choose any two of the Fundamentals courses below.</td>
<td>6</td>
</tr>
<tr>
<td>IMC 262 FUNDAMENTALS OF PR</td>
<td>3</td>
</tr>
<tr>
<td>IMC 263 FUNDAMENTALS OF ADVERTISING</td>
<td>3</td>
</tr>
<tr>
<td>IMC 264 FUNDAMENTALS OF DIGITAL AND SOCIAL MEDIA MARKETING</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective course options (choose any two, including at least one at the 300 level) 6-7

<table>
<thead>
<tr>
<th>Code/Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMC 220 MEDIA WRITING</td>
<td>4</td>
</tr>
<tr>
<td>IMC 240 MARKETING RESEARCH</td>
<td></td>
</tr>
<tr>
<td>IMC 243 VISUAL COMMUNICATION</td>
<td></td>
</tr>
<tr>
<td>IMC 340 MEDIA RELATIONS</td>
<td></td>
</tr>
<tr>
<td>IMC 344 BRAND MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>IMC 345 ADVERTISING MEDIA</td>
<td></td>
</tr>
<tr>
<td>IMC 349 ADVERTISING PORTFOLIO I</td>
<td></td>
</tr>
<tr>
<td>IMC 353 MULTICULTURAL MARKETING COMMUNICATIONS</td>
<td></td>
</tr>
<tr>
<td>IMC 362 DIGITAL/SOCIAL MARKETING COMMUNICATIONS</td>
<td></td>
</tr>
<tr>
<td>IMC 365 BRAND STORYTELLING</td>
<td></td>
</tr>
<tr>
<td>IMC 374 CRISIS COMMUNICATION</td>
<td></td>
</tr>
<tr>
<td>IMC 381 INTERNATIONAL MARKETING CULTURES</td>
<td></td>
</tr>
<tr>
<td>IMC 391 INTERNATIONAL IMC STUDY EXPERIENCE</td>
<td></td>
</tr>
</tbody>
</table>

International Studies, Minor

International Studies is a growing interdisciplinary field that offers students the opportunity to study politics, economics, history, sociology, anthropology, and communication as parts of a complex and evolving global system. A minor in International Studies is an excellent complement to many of the majors at Roosevelt University for those students considering living or working overseas at some point in their careers. Whether your major is Integrated Marketing Communications (p. 101), Political Science (p. 122) or Biology (p. 70), International Studies broadens intellectual and professional expertise beyond your major and offers students the chance to develop wide-ranging knowledge about social, economic and political processes outside of the United States.

At Roosevelt, we study the international system with a focus on the pursuit and realization of social justice across national boundaries. We produce graduates with fluency in contemporary debates across multiple fields, as well as build the moral and ethical foundation to be international leaders and global citizens. Minors from the International Studies program will be viewed by potential employers as knowledgeable about a broad range of international topics, but also as socially-minded, problem-solving critical thinkers.

Advising

Students interested in an International Studies minor should consult their advisor or the program coordinator, Bethany Barratt, (bbarratt@roosevelt.edu) before registration each semester to assure that requirements are met and that the electives constitute a coherent program that is tailored to the student’s interests.

Minors are strongly encouraged to undertake study abroad. Roosevelt’s Office of International Programs will assist students in selecting and applying for study abroad programs. The program coordinator will assist in selecting courses once the student has been admitted to a program. Study abroad courses and programs vary, so students should consult the program coordinator to see how study abroad courses fit in the International Studies curriculum.
Students are also strongly encouraged to supplement their International Studies education by learning a foreign language, though there is no formal requirement to do so.

**Requirements**

The minor requires 18 credit hours. Students must complete three core courses, plus three electives at the 300-level. Nine of the credits in the minor must be earned at Roosevelt. All courses must have a minimum grade of C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>International Studies Core</strong></td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Choose 3 classes from the following</td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>PRINCIPLES OF ECONOMICS I</td>
<td></td>
</tr>
<tr>
<td>POS</td>
<td>THE WORLD SINCE 1500</td>
<td></td>
</tr>
<tr>
<td>SOC</td>
<td>INTRODUCTION TO INTERNATIONAL RELATIONS</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Advanced International Studies Electives</strong></td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Choose 3 additional International Studies Electives at the 300 Level. See Advisor.</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit Hours** 18

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**Journalism, Minor**

The Journalism minor focuses on hands-on professional courses in which students develop and practice the research, writing, and reporting skills common to all journalistic fields. Students in the minor complete five lab-based courses working with state-of-the-art technology to report stories across multiple media forms, including online, print, and broadcast.

The Journalism minor is a good option for students who choose to major in fields such as political science, history, economics, or the sciences.

**Prerequisites**

COMM 201 COMMUNICATION IN THE INFO AGE is the prerequisite course for this minor (grade C or better).

**Requirements**

Five courses (16 credit hours) are required for the minor in Journalism.

- Transfer students must complete three JOUR or JMS courses (9 credit hours) at Roosevelt.
- No 100-level courses may count toward the hours required for this minor.
- If JOUR 399 INTERNSHIP or JMS 399 MEDIA INTERNSHIP is used as additional elective for the minor, it must be taken pass/fail.
- No other pass/fail grades are accepted for this minor.
- All courses for the minor must be completed with a minimum grade of C (not C-) or better.
- All Journalism and Media Studies courses transitioned to the new JMS subject designation in 2019-20.

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**Legal Studies, Minor**

Roosevelt University offers a Legal Studies minor, primarily geared toward students preparing to go to law school. The minor is designed to give students background in legal theory, ethics and logic, and the modes of communication that they will encounter in law school. To meet these goals, this interdisciplinary minor combines courses from Political Science, Business Communication, Writing, and Philosophy.

Students interested in pursuing the Legal Studies minor should contact the Political Science Program Director.

**Requirements**

The courses of the minor are divided into legal ideas and legal skills categories. Students who wish to complete this minor must take 18 credit hours from courses listed below. All courses in the minor must be completed with a grade of C or higher. At least 9 credit hours must be taken at Roosevelt University.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Courses in Legal Ideas</strong></td>
<td></td>
</tr>
<tr>
<td>POS</td>
<td>PHILOSOPHY OF LAW</td>
<td>3</td>
</tr>
<tr>
<td>POS</td>
<td>UNITED STATES CONSTITUTIONAL LAW</td>
<td>3</td>
</tr>
<tr>
<td>POS</td>
<td>CIVIL RIGHTS &amp; CIVIL LIBERTIES</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Courses in Legal Skills</strong></td>
<td></td>
</tr>
<tr>
<td>BCOM</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>PHIL</td>
<td>LOGIC</td>
<td>3</td>
</tr>
<tr>
<td>or PHIL</td>
<td>CRITICAL THINKING</td>
<td></td>
</tr>
<tr>
<td>WRTG</td>
<td>THE ART OF PERSUASION</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours** 18

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**Mathematics, Minor**

Mathematics is a beautiful and interesting subject that involves statistics, numbers, functions, shapes, and structures. These concepts are logically interconnected and develop into a fascinating theory. They are also used to solve real world problems from a wide variety of areas, including science, computer science, social science, finance, and business. The study of mathematics provides training in disciplined thought and analysis.

At Roosevelt, the minor in mathematics allows students from other fields to gain additional analytical, quantitative, and problem-solving skills.
Students will also learn to apply ideas from mathematics to other fields of knowledge and to communicate mathematics effectively.

**Requirements**

All five required Mathematics courses for the minor must be passed with a C- or higher, and at least three must be completed at Roosevelt. Interested students who have completed a college calculus course that did not transfer in as MATH 231 CALCULUS I (such as MATH 202 APPLIED CALCULUS FOR HEALTH SCIENCE AND BUSINESS) are encouraged to discuss course options with the department chair. Although courses that are cross-listed as math and are used for a major may not be double counted for the math minor, if a significant number are taken at Roosevelt it may be possible to use them towards satisfying the residency requirement (i.e., at least three math courses must be taken at Roosevelt for the minor). Students with a large amount of transfer credits are encouraged to contact the department chair to discuss possibilities.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
<td>5</td>
</tr>
</tbody>
</table>

**Electives**

Four MATH courses, at least three must be at the 200-level or higher 12-14

Total Credit Hours 17-19

Students completing a major in Actuarial Science who would like to complement their major with a minor in Mathematics must choose courses that do not double count as a part of their Actuarial Science major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 245</td>
<td>DISCRETE STRUCTURES</td>
<td>3</td>
</tr>
<tr>
<td>MATH 290</td>
<td>INTRODUCTION TO PROOF</td>
<td>1</td>
</tr>
</tbody>
</table>

**Electives**

Four MATH courses, at least three must be at the 200-level or higher, none of which can be double counted for the actuarial science major 12-14

Total Credit Hours 16-18

Suggested mathematics courses include MATH 316 HISTORY OF MATHEMATICS, MATH 317 GEOMETRY, MATH 320 INTRODUCTION TO ABSTRACT ALGEBRA, and MATH 352 ANALYSIS.

**Paralegal Studies Minor**

**Overview**

The Paralegal Studies minor offered by Roosevelt’s Paralegal Studies Program is an American Bar Association-approved program option. The curriculum, which stresses critical thinking and includes practical training in legal concepts, is applicable to almost any discipline. Students who complete the minor as part of their bachelor’s degree will also be awarded a Paralegal Certificate. They will be qualified for entry-level paralegal positions and will be able to utilize the career development services provided by the paralegal studies program, including its connections with the local legal community. Paralegals are professionals who are qualified through education, training and work experience to perform essential legal work. They work with attorneys to provide economical, quality legal services and to make legal services more available to the general public. Paralegals may not provide legal services directly to the public, except as permitted by law.

**Learning Outcomes**

Students will know legal terminology, concepts and procedures, and will be able to draft a variety of legal documents. Students learn how to conduct legal research, both manually and online using Lexis and Westlaw (commonly used legal databases). They will learn about litigation support and e-discovery applications. Students will be better prepared for law school and gain a realistic understanding of the practice of law.

**Faculty**

Paralegal Studies courses are taught by legal professionals, including adjunct instructors and one full-time faculty member. The faculty have many years of experience in their field and in teaching for the paralegal
program. They include practicing attorneys and a Cook County Circuit Court Judge.

Advising

Students must complete 60 credit hours of course work prior to enrolling in the Paralegal Studies minor courses with the exception of PARA 301, which can be taken once students have completed the university writing requirement. It is recommended that students have a 2.5 or higher grade point average prior to enrolling in the Paralegal Studies minor courses. Students with a grade point average lower than 2.5 should contact Carrie Lausen (https://www.roosevelt.edu/contact/directory?txtSearch=carrie/&#38;ddlGroupSearch=All&), the Paralegal Studies Program Director before beginning the minor.

American Bar Association Guidelines require that students must take at least nine semester credits or the equivalent of legal specialty courses (Roosevelt’s 300-level paralegal courses) through traditional classroom instruction. Paralegal courses are offered in a variety of delivery formats, including on-campus, online, and in "hybrid" mode (combining face-to-face meetings and online interactions). Students should be mindful of the number of traditional classroom instruction hours when choosing their courses. Students should consult with the program director, Carrie Lausen (https://www.roosevelt.edu/contact/directory?txtSearch=carrie/&#38;ddlGroupSearch=All&), or assistant director, Chanita Britton (https://www.roosevelt.edu/contact/directory?txtSearch=chanita/&#38;ddlGroupSearch=All&), for any questions regarding the traditional classroom instruction requirement or for assistance in selecting their courses.

Prerequisites

Students must have completed 60 credit hours of course work prior to enrolling in the 300-level paralegal studies minor courses with the exception of PARA 301, which can be taken once students have completed the university writing requirement. It is recommended that students have a 2.5 or higher grade point average prior to enrolling in the Paralegal Studies minor courses. Students with a grade point average lower than 2.5 should contact Carrie Lausen (https://www.roosevelt.edu/contact/directory?txtSearch=carrie/&#38;ddlGroupSearch=All&), the Paralegal Studies Program Director before beginning the minor. Students will be allowed to transfer in a maximum of six credit hours from other ABA-approved paralegal programs. All courses for the minor must be completed with a grade of C or better.

Requirements

Seven courses (21 credit hours) are required for the Paralegal Studies minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARA 301</td>
<td>ETHICS &amp; PROFESSIONALISM</td>
<td>3</td>
</tr>
<tr>
<td>PARA 302</td>
<td>LEGAL RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>PARA 303</td>
<td>CIVIL LAW</td>
<td>3</td>
</tr>
<tr>
<td>PARA 304</td>
<td>LITIGATION I</td>
<td>3</td>
</tr>
<tr>
<td>PARA 305</td>
<td>COMMERCIAL LAW</td>
<td>3</td>
</tr>
<tr>
<td>PARA 306</td>
<td>ADVANCED LITIGATION AND E-</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DISCOVERY</td>
<td></td>
</tr>
<tr>
<td>PARA 307</td>
<td>REAL ESTATE</td>
<td>3</td>
</tr>
<tr>
<td>PARA 308</td>
<td>INTELLECTUAL PROPERTY</td>
<td>3</td>
</tr>
<tr>
<td>PARA 309</td>
<td>CORPORATIONS AND LLC LAW</td>
<td>3</td>
</tr>
<tr>
<td>PARA 310</td>
<td>LEGAL TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PARA 311</td>
<td>PARALEgal INTERNSHIP</td>
<td>3</td>
</tr>
<tr>
<td>PARA 312</td>
<td>LABOR AND EMPLOYMENT LAW</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

Philosophy, Minor

A philosophy minor offers an excellent opportunity for students interested in law, science, medicine, and business to broaden their understanding of the human consequences and contours of these fields. It also serves to hone their critical thinking and writing skills. Consequently students majoring in political science/pre-law; the sciences/pre-med; psychology, history, sociology, criminal justice, women's and gender studies, among many other fields find philosophy helpful in preparing them for graduate and professional studies as well as careers.

The philosophy faculty is also committed to the understanding that the purpose of education is to prepare one for living a good life, part of which is vocational, but part of which is not. In teaching our students how to read thought-provoking texts carefully, texts that ask the big questions about life, how to think analytically and synthetically, and how to write incisively and in an organized manner, we are preparing them for every vocation, as well as preparing them to live well thought-out lives. We thus take seriously Socrates' remark that 'the unexamined life is not worth living for a human being.'

Requirements

The five Philosophy courses required for the minor must include at least one course at the 300 level. Transfer students must complete at least six semester hours at Roosevelt, including three credit hours at the 300 level. Students must earn a grade of C or higher in each course.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose 4 Classes in Philosophy at the 100, 200, or 300 level</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Advanced Philosophy Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours | 15

Political Science, Minor

A minor in Political Science (https://www.roosevelt.edu/academics/programs/bachelors-in-political-science-ba/) pairs well with almost any major or program of study at Roosevelt University. Whether you plan to pursue a career in journalism, medicine, physics, or mathematics, an understanding of the political realm will help you navigate the policy environment in your field of choice. The minor offers in-depth knowledge of local, national, and international political processes with particular emphasis on issues of social justice, allowing majors in any discipline to graduate as socially conscious citizens capable of sustained engagement with public affairs.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARA 301</td>
<td>ETHICS &amp; PROFESSIONALISM</td>
<td>3</td>
</tr>
<tr>
<td>PARA 302</td>
<td>LEGAL RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>PARA 303</td>
<td>CIVIL LAW</td>
<td>3</td>
</tr>
<tr>
<td>PARA 304</td>
<td>LITIGATION I</td>
<td>3</td>
</tr>
<tr>
<td>PARA 305</td>
<td>COMMERCIAL LAW</td>
<td>3</td>
</tr>
<tr>
<td>PARA 306</td>
<td>ADVANCED LITIGATION AND E-</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DISCOVERY</td>
<td></td>
</tr>
<tr>
<td>PARA 307</td>
<td>REAL ESTATE</td>
<td>3</td>
</tr>
<tr>
<td>PARA 308</td>
<td>INTELLECTUAL PROPERTY</td>
<td>3</td>
</tr>
<tr>
<td>PARA 309</td>
<td>CORPORATIONS AND LLC LAW</td>
<td>3</td>
</tr>
<tr>
<td>PARA 310</td>
<td>LEGAL TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PARA 311</td>
<td>PARALEgal INTERNSHIP</td>
<td>3</td>
</tr>
<tr>
<td>PARA 312</td>
<td>LABOR AND EMPLOYMENT LAW</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>
Requirements
The Political Science minor consists of 18 credit hours. At least nine credit hours must be a combination of 100-level and/or 200-level courses. At least six credit hours must be at the 300 level. All courses in the minor must be completed with a grade of C or higher. Transfer students must complete at least nine credit hours of Political Science coursework at Roosevelt University.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRODUCTORY POLITICAL SCIENCE COURSES</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>POS 101</td>
<td>UNITED STATES POLITICS</td>
<td>3</td>
</tr>
<tr>
<td>or POS 102</td>
<td>INTRODUCTION TO COMPARATIVE POLITICS</td>
<td>3</td>
</tr>
<tr>
<td>or POS 103</td>
<td>INTRODUCTION TO INTERNATIONAL RELATIONS</td>
<td>3</td>
</tr>
<tr>
<td>or POS 104</td>
<td>INTRODUCTION TO POLITICAL THEORY</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>Any 200 Level Political Science course</td>
<td></td>
</tr>
</tbody>
</table>

ADVANCED POLITICAL SCIENCE COURSES 6

Choose any two Political Science courses at the 300 level

POLITICAL SCIENCE ELECTIVE 3

Choose one additional Political Science course at any level

Total Credit Hours 18

A sample course of study for the Political Science minor is listed below. Students considering the minor are encouraged to create, in conjunction with their advisors, an appropriate set of courses tailored to their interests and career needs.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 101</td>
<td>UNITED STATES POLITICS</td>
<td>3</td>
</tr>
<tr>
<td>POS 103</td>
<td>INTRODUCTION TO INTERNATIONAL RELATIONS</td>
<td>3</td>
</tr>
<tr>
<td>POS 210</td>
<td>RACE IN U.S. POLITICS</td>
<td>3</td>
</tr>
<tr>
<td>POS 348</td>
<td>POLITICS OF CLIMATE CHANGE</td>
<td>3</td>
</tr>
<tr>
<td>POS 363</td>
<td>URBAN POLICY</td>
<td>3</td>
</tr>
<tr>
<td>POS 374</td>
<td>UNITED STATES CONSTITUTIONAL LAW</td>
<td>3</td>
</tr>
<tr>
<td>PSY 316</td>
<td>LEARNING</td>
<td>3</td>
</tr>
<tr>
<td>PSY 325</td>
<td>SENSATION AND PERCEPTION</td>
<td>3</td>
</tr>
<tr>
<td>PSY 326</td>
<td>COGNITIVE PROCESSES</td>
<td>3</td>
</tr>
<tr>
<td>PSY 336</td>
<td>BRAIN AND BEHAVIOR</td>
<td>3</td>
</tr>
<tr>
<td>PSY 350</td>
<td>HUMAN NEUROPSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSY 211</td>
<td>PSYCHOLOGY STUDY OF RACISM</td>
<td>3</td>
</tr>
<tr>
<td>PSY 220</td>
<td>SOCIAL PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSY 345</td>
<td>PSYCHOLOGY OF GENDER</td>
<td>3</td>
</tr>
<tr>
<td>PSY 366</td>
<td>POVERTY &amp; THE INDIVIDUAL</td>
<td>3</td>
</tr>
<tr>
<td>PSY 243</td>
<td>THEORIES OF PERSONALITY</td>
<td>3</td>
</tr>
<tr>
<td>PSY 254</td>
<td>CHILDHOOD AND ADOLESCENCE</td>
<td>3</td>
</tr>
<tr>
<td>PSY 335</td>
<td>HUMAN DEVELOPMENT AS A CULTURAL PROCESS</td>
<td>3</td>
</tr>
<tr>
<td>PSY 339</td>
<td>ADULT DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>PSY 341</td>
<td>OLDER ADULTHOOD AND AGING</td>
<td>3</td>
</tr>
<tr>
<td>PSY 381</td>
<td>CHILDREN AND FAMILIES</td>
<td>3</td>
</tr>
<tr>
<td>PSY 201</td>
<td>ABNORMAL PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSY 215</td>
<td>LEARNING &amp; DEVELOPMENTAL DISABILITIES</td>
<td>3</td>
</tr>
<tr>
<td>PSY 270</td>
<td>PSYCHOLOGICAL TESTS</td>
<td>3</td>
</tr>
<tr>
<td>PSY 319</td>
<td>CHILD &amp; ADOLESCENT PSYCHOPATHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSY 344</td>
<td>INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSY 347</td>
<td>HEALTH PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSY 351</td>
<td>LAW AND PSYCHOLOGY</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Psychology, Minor
A background in psychology is essential in today's complex society to gain an understanding of why people and groups behave as they do and how individuals struggle to achieve their full potential.

Requirements
- Six courses in Psychology, including a course in Introductory Psychology (PSYC 103).
- At least two courses must be at the 300 level.
- Students must select courses from at least two different core areas (see list below); the remainder are electives.
- At least two courses must be taken at Roosevelt University, one at the 300 level.
- All courses in the minor must be completed with grades of C- or higher. A minimum cumulative GPA of 2.0 is required for all courses in the minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 103</td>
<td>INTRODUCTORY PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>Select two (2) courses from at least two different Areas below. The remaining three (3) courses are electives and can be any offered by the Psychology Department.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Area 1: Biological/Cognitive/Learning Psychology
| PSYC 316  | LEARNING                                       | 3            |
| PSYC 325  | SENSATION AND PERCEPTION                        | 3            |
| PSYC 326  | COGNITIVE PROCESSES                             | 3            |
| PSYC 336  | BRAIN AND BEHAVIOR                              | 3            |
| PSYC 350  | HUMAN NEUROPSYCHOLOGY                           | 3            |

Area 2: Social/Diversity Psychology
| PSYC 211  | PSYCHOLOGY STUDY OF RACISM                      | 3            |
| PSYC 220  | SOCIAL PSYCHOLOGY                               | 3            |
| PSYC 345  | PSYCHOLOGY OF GENDER                            | 3            |
| PSYC 366  | POVERTY & THE INDIVIDUAL                       | 3            |

Area 3: Human Development/Individual Difference
| PSYC 243  | THEORIES OF PERSONALITY                        | 3            |
| PSYC 254  | CHILDHOOD AND ADOLESCENCE                       | 3            |
| PSYC 335  | HUMAN DEVELOPMENT AS A CULTURAL PROCESS         | 3            |
| PSYC 339  | ADULT DEVELOPMENT                               | 3            |
| PSYC 341  | OLDER ADULTHOOD AND AGING                       | 3            |
| PSYC 381  | CHILDREN AND FAMILIES                           | 3            |

Area 4: Applied/Clinical Psychology
| PSYC 201  | ABNORMAL PSYCHOLOGY                             | 3            |
| PSYC 215  | LEARNING & DEVELOPMENTAL DISABILITIES           | 3            |
| PSYC 270  | PSYCHOLOGICAL TESTS                             | 3            |
| PSYC 319  | CHILD & ADOLESCENT PSYCHOPATHOLOGY              | 3            |
| PSYC 344  | INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY            | 3            |
| PSYC 347  | HEALTH PSYCHOLOGY                               | 3            |
| PSYC 351  | LAW AND PSYCHOLOGY                              | 3            |

Social Justice Studies, Minor
The Social Justice Studies minor is an interdisciplinary program that integrates theories, methods, and substance of economics, history, political science, and sociology as they bear on questions of social justice. What is ‘social justice’? What are the processes that produce injustice in our world, and how do they operate? How are people working - or how might people work - to achieve social justice?

Advising
Students completing a Social Justice Studies minor are encouraged to take ECON 101 PRINCIPLES OF ECONOMICS I, SOC 101 INTRODUCTION TO SOCIOLOGY, and POS 101 UNITED STATES POLITICS for their social
science distribution courses; these are prerequisites for many of the required courses in the minor.

Requirements

- The minor in Social Justice Studies requires 18 credit hours, six of which must be at the 300 level.
- A grade of C or higher is required for all courses in the minor.
- At least 9 credit hours in the minor must be taken at Roosevelt.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCJ 201</td>
<td>INTRODUCTION TO SOCIAL JUSTICE STUDIES</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 208</td>
<td>INTRODUCTION TO WORKING CLASS STUDIES</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Required Courses

- ECON 326 THEORIES OF JUSTICE 3
- POS 367 SOCIAL MOVEMENTS (or substitute social movements course chosen in conjunction with SOCJ advisor) 3

Two electives chosen in consultation with the Social Justice Studies advisor also are required 6

Total Credit Hours 18

Sociology, Minor

Sociology is the systematic study of human behavior and society, particularly its development, organization, and institutions. As a social science, it uses various empirical methods of inquiry to investigate and analyze social order, conflict, and change.

Many sociologists conduct research aimed at directly influencing social policy or at refining and applying the current body of sociological theory to empower community activists working for justice. Subjects studied range from the micro level of individual behavior and agency to interaction between social groups both large and small to the macro level of social structures. Training in sociology is valued as preparation for graduate work in many professions, as well as careers in nonprofits, state and local government, and business.

The curriculum in Sociology has been designed to develop a comprehensive understanding of human society and to provide enough flexibility for students to pursue areas of individual career or personal interest.

Requirements

The minor requires six courses in Sociology, including two core courses and four electives as specified below.

Students must earn an overall GPA of 2.0 and a grade of C- or higher in each course.

At least two courses must be taken at Roosevelt University, including at least one course at the 300 level.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 101</td>
<td>INTRODUCTION TO SOCIOLOGY</td>
<td>3</td>
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</table>

Electives

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 210</td>
<td>CONTEMPORARY SOCIAL ISSUES</td>
<td>3</td>
</tr>
<tr>
<td>SOC 211</td>
<td>CONTEMPORARY GLOBAL ISSUES</td>
<td></td>
</tr>
<tr>
<td>SOC 212</td>
<td>CONTEMPORARY URBAN ISSUES</td>
<td></td>
</tr>
</tbody>
</table>

Statistics, Minor

In today's world, one is able to create and analyze large data sets in a way that was not computationally possible for previous generations. Statistics is a means of describing a collection of data. Knowledge of statistics helps researchers with data collection, analysis, and presentation. The minor in statistics complements majors in any quantitative area, including the sciences, social science, computer science, and finance.

Requirements

The five required Mathematics courses for the statistics minor must be passed with grades of C- or higher. At least three of the courses must be completed at Roosevelt University.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
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<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
<td>5</td>
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Electives

Select four of the following:

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
<td></td>
</tr>
<tr>
<td>MATH 307</td>
<td>DIFFERENTIAL EQUATION/MODELING</td>
<td></td>
</tr>
<tr>
<td>MATH 309</td>
<td>DATA MINING</td>
<td></td>
</tr>
<tr>
<td>MATH 323</td>
<td>COOPERATION AND COMPETITION -- GAME THEORY AND APPLICATIONS</td>
<td></td>
</tr>
<tr>
<td>MATH 328</td>
<td>LINEAR PROGRAMMING &amp; OPTIMIZATION</td>
<td></td>
</tr>
<tr>
<td>MATH 339</td>
<td>BASEBALL STATISTICS</td>
<td></td>
</tr>
<tr>
<td>MATH 347</td>
<td>PROBABILITY THEORY</td>
<td></td>
</tr>
<tr>
<td>MATH 348</td>
<td>MATHEMATICAL STATISTICS</td>
<td></td>
</tr>
<tr>
<td>MATH 349</td>
<td>REGRESSION &amp; TIME SERIES</td>
<td></td>
</tr>
<tr>
<td>MATH 369</td>
<td>MODELS FOR LIFE CONTINGENCIES</td>
<td></td>
</tr>
<tr>
<td>MATH 390</td>
<td>INDUSTRIAL RESEARCH PROBLEMS</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 17

Sustainability Studies, Minor

Students minoring in Sustainability Studies will explore the complex relations among sustainability, environmental justice, ecology, and social equity in the context of urban and suburban systems, through interdisciplinary and field-based learning that blends the natural sciences, social sciences, and humanities. Courses may be taken on campus and/or online, and provide multiple opportunities for experiential learning.
Women's and Gender Studies, Minor

The Women's and Gender Studies minor provides an opportunity to explore multiple perspectives on historical and contemporary issues concerning women, gender and sexuality. Courses use feminist frameworks to analyze gender and sexuality in relation to race, ethnicity, class, nationality, ability and other factors that shape experiences, identities and cultures. Courses also examine social institutions and networks of power while considering avenues of resistance, justice and transformation.

The WGS minor complements a variety of majors and provides a valuable foundation for pursuing work in education, journalism, business, public affairs, the arts, the humanities and the social sciences.

Advising

Students undertaking or considering a minor in WGS should contact the director of the WGS program to discuss their course of study.

Requirements

Six courses (18 credit hours) are required for the Women's and Gender Studies minor.

- Three WGS Core courses, one at the 100 level, one at the 200 level, and one at the 300 level.
- Three electives, fulfilled with WGS Core courses and/or Interdisciplinary courses for WGS credit; no more than one elective may be at the 100 level.
- Transfer students must complete at least two courses, including one at the 300 level, at Roosevelt University.
- All courses counting toward the WGS Minor must be passed with a C- or higher.

Note: WGS Core courses are those that originate in WGS and have the WGS prefix; WGS Interdisciplinary courses are those with a Women's and Gender Studies attribute.

Women's and Gender Studies, Minor

Requirements

- Minor requires a total of 18 credit hours.
- Students must achieve a 2.0 minimum GPA in the minor.
- All grades must be C- or higher.
- A minimum of three courses must be taken at RU.
- A minimum of two 300-level courses are required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUST 210</td>
<td>SUSTAINABLE FUTURE</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives 15

Select five of the following:

- SUST 101 HUMANS AND NATURE
- SUST 220 WATER
- SUST 230 FOOD
- SUST 240 WASTE
- SUST 250 THE SUSTAINABLE UNIVERSITY
- SUST 310 ENERGY AND CLIMATE CHANGE
- SUST 320 SPRAWL, TRANSPORT, PLANNING
- SUST 330 BIODIVERSITY
- SUST 340 POLICY, LAW, ETHICS
- SUST 350 SERVICE AND SUSTAINABILITY
- SUST 360 WRITING URBAN NATURE
- SUST 361 URBAN ECOCOLOGY
- SUST 370 MAPPING FOR SUSTAINABILITY
- SUST 390 SPECIAL TOPICS IN SUSTAINABILITY
- SUST 394 INDEPENDENT STUDY
- SUST 395 SUSTAINABILITY STUDIES INTERNSHIP

Total Credit Hours 18

Women's and Gender Studies, Minor

The Women's and Gender Studies minor provides an opportunity to explore multiple perspectives on historical and contemporary issues concerning women, gender and sexuality. Courses use feminist frameworks to analyze gender and sexuality in relation to race, ethnicity, class, nationality, ability and other factors that shape experiences, identities and cultures. Courses also examine social institutions and networks of power while considering avenues of resistance, justice and transformation.

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Requirements

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- Three WGS Core courses, one at the 100 level, one at the 200 level, and one at the 300 level.
- Three electives, fulfilled with WGS Core courses and/or Interdisciplinary courses for WGS credit; no more than one elective may be at the 100 level.
- Transfer students must complete at least two courses, including one at the 300 level, at Roosevelt University.
- All courses counting toward the WGS Minor must be passed with a C- or higher.

Note: WGS Core courses are those that originate in WGS and have the WGS prefix; WGS Interdisciplinary courses are those with a Women's and Gender Studies attribute.

Women's and Gender Studies, Minor

Requirements

- Minor requires a total of 18 credit hours.
- Students must achieve a 2.0 minimum GPA in the minor.
- All grades must be C- or higher.
- A minimum of three courses must be taken at RU.
- A minimum of two 300-level courses are required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUST 210</td>
<td>SUSTAINABLE FUTURE</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives 15

Select five of the following:

- SUST 101 HUMANS AND NATURE
- SUST 220 WATER
- SUST 230 FOOD
- SUST 240 WASTE
- SUST 250 THE SUSTAINABLE UNIVERSITY
- SUST 310 ENERGY AND CLIMATE CHANGE
- SUST 320 SPRAWL, TRANSPORT, PLANNING
- SUST 330 BIODIVERSITY
- SUST 340 POLICY, LAW, ETHICS
- SUST 350 SERVICE AND SUSTAINABILITY
- SUST 360 WRITING URBAN NATURE
- SUST 361 URBAN ECOCOLOGY
- SUST 370 MAPPING FOR SUSTAINABILITY
- SUST 390 SPECIAL TOPICS IN SUSTAINABILITY
- SUST 394 INDEPENDENT STUDY
- SUST 395 SUSTAINABILITY STUDIES INTERNSHIP

Total Credit Hours 18

Women's and Gender Studies, Minor

The Women's and Gender Studies minor provides an opportunity to explore multiple perspectives on historical and contemporary issues concerning women, gender and sexuality. Courses use feminist frameworks to analyze gender and sexuality in relation to race, ethnicity, class, nationality, ability and other factors that shape experiences, identities and cultures. Courses also examine social institutions and networks of power while considering avenues of resistance, justice and transformation.

The WGS minor complements a variety of majors and provides a valuable foundation for pursuing work in education, journalism, business, public affairs, the arts, the humanities and the social sciences.

Advising

Students undertaking or considering a minor in WGS should contact the director of the WGS program to discuss their course of study.

Requirements

Six courses (18 credit hours) are required for the Women's and Gender Studies minor.

- Three WGS Core courses, one at the 100 level, one at the 200 level, and one at the 300 level.
Additional interdisciplinary courses may apply. See Advisor.

Total Credit Hours  18

Writing, Minor

The Writing Minor is designed to develop student skills in research and writing for multiple contexts and purposes. Faculty will guide students in developing their analytical and writing skills in order to address disparate audiences, to organize information effectively, to confront issues critically and to articulate new knowledge about themselves, society and the world.

Requirements

The Writing minor is an 18-hour sequence consisting of six courses. There are two foundational courses required for the Writing Minor:

- WRTG 160 THE ART OF PERSUASION
- CRWR 153 INTRODUCTION TO CREATIVE WRITING

These are foundational experiences ensuring that students are well grounded in theories and vocabularies of writing in a variety of situations and for different intentions.

Each required course offers a foundation for four further courses related to the fundamentals addressed in each of the required courses. Subsequent courses concentrate on more focused topics, genre, forms or purpose. At least one course must be taken at the 300 level.

Electives should be chosen in close consultation with an advisor to devise a program that both satisfies the student's interests and involves sufficient breadth. Transfer students must take at least three courses at Roosevelt, at least one of which must be at the 300 level.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRWR 153</td>
<td>INTRODUCTION TO CREATIVE WRITING</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 160</td>
<td>THE ART OF PERSUASION</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Creative Writing:

- CRWR 250   FICTION WRITING WORKSHOP
- CRWR 251   POETRY WRITING WORKSHOP
- CRWR 252   CREATIVE NONFICTION WRITING WORKSHOP
- CRWR 253   SCREEN WRITING WORKSHOP
- CRWR 303   CREATIVE WRITING CAPSTONE

Expository/Professional:

- JOUR 220   MEDIA WRITING
- JOUR 322   FEATURE WRITING
- JOUR 339   WRITING NONFICTION: THE DOCUMENTARY AESTHETIC
- JOUR 350   EDITING
- JOUR 365   BRAND STORYTELLING
- JOUR 390   TOPICS IN REPORTING & WRITING
- WRTG 222   ESSAY WRITING: TOPICS & GENRES
- WRTG 230   TECHNICAL & PROFESSIONAL WRITING
- WRTG 330   GRANT WRITING
- WRTG 332   MAGAZINE WRITING
- WRTG 367   TEACHING WRITING: THEORY & PRACTICE

Total Credit Hours  18
COLLEGE OF EDUCATION

Undergraduate programs within the College of Education prepare students to transform schools and communities in the pursuit of knowledge and social justice. Through the continuous evaluation and refinement of academic programs and courses, offerings are kept current and relevant to real-world contexts and professional standards of quality. Experienced, dedicated, and culturally diverse faculty work collaboratively with students to foster knowledge and skills with respect to diverse learners, instruction, assessment, and research. Talent and resources from a variety of disciplines are integrated and used, as are cutting-edge technologies. All programs require a variety of field and clinical experiences that augment and integrate academic studies.

Undergraduates may earn teacher licensure in the State of Illinois in the following areas: Early Childhood Education, Elementary Education, Middle School Education, Secondary Education, and Special Education. Early Childhood, Elementary, Middle School, and Special Education teacher candidates major in education and receive a BA. Secondary teacher candidates choose a major in History, Math, Biology, Chemistry, or English and minor in Secondary Education. The College of Education also works with the Chicago College of Performing Arts to prepare teachers in Music Education. Music teacher candidates major in Music Education. Information about this program is located in the CCPA section of this catalog. All of the above programs are a part of the New Deal Teacher Academy.

In addition, the College of Education offers a major and minor in Educational Studies for students who wish to develop foundational knowledge and skills in education without earning teacher licensure.

All programs are offered at the Chicago campus on Michigan Avenue; some courses are offered online. Elementary Education is also offered at the Schaumburg Campus. The College of Education has a history of serving nontraditional as well as traditional undergraduate students, and schedules are designed to meet the needs of full-time as well as part-time students.

Accreditation

The Illinois State Board of Education (ISBE) approves all undergraduate teacher preparation programs in the College of Education, and most undergraduate teacher preparation programs are nationally recognized by professional teacher organizations.

Admission Requirements

Most undergraduates complete all of their general education requirements prior to program admission. Grades below C are not accepted for these courses (C- grades are not acceptable). Because general education requirements are subject to change and are different by program, undergraduates must consult frequently with their advisors in the College of Education and, if they are secondary education minors, in the College of Arts and Sciences.

To be admitted to a teacher preparation program in the College of Education, all students must present evidence of their capabilities and potential to implement high-quality teaching practices informed by the conceptual framework of the College of Education. At a minimum, students must have achieved a 2.7 grade point average for all collegiate work, inclusive of all courses and grades from other institutions attended by the student. A minimum of 24 credit hours at Roosevelt University or another higher education institution is required to earn admission.

In addition to a minimum 2.7 comprehensive GPA, the College of Education requires that all undergraduates pass the ILTS Test of Academic Proficiency or have substituted an ACT or SAT score that meets the state’s criterion to earn admission to a teacher preparation program. Test dates, registration forms, and study guides are available online. Please note that students must pass all subtests of the TAP in order to earn a passing score and admission to a teacher preparation program. Students are encouraged to take the Test of Academic Proficiency during their first year of study at RU or, if transferring to RU, prior to submitting an application for admission to Roosevelt University.

Students who have not met both of the above admission criteria or who do not wish to obtain teacher licensure may choose the Educational Studies major or minor.

Professional advisors in the College of Education will guide students with respect to general education courses, teacher preparation admission requirements, and courses leading to the Educational Studies major or minor. Education courses outside of the Educational Studies major or minor are open only to students who have earned admission to a teacher preparation program.

Endorsements

As undergraduates complete their teacher preparation program, they may earn the special education (LBS I) endorsement, middle school endorsement, and/or bilingual or ESL endorsements. Students interested in the above endorsements should consult with their advisors and complete application forms through the College of Education Licensure Officer during the last semester of study. For all licensure and endorsement application forms and information, please contact the Licensure Officer of the College of Education.

Clinical Experiences

Extensive contact with classrooms and/or community centers and first-hand experience in dealing with everyday problems are critical components of all undergraduate programs. Through its Office of Field Placements, the College of Education offers a wide variety of field and clinical experiences. Experiences in clinical sites entail observation, tutoring, small-group interactions, and large-group instruction, as well as participation in school and community activities. Field sites range from the city to the suburbs and enable students to interact significantly with culturally diverse learners.

The Office of Field Placements approves all clinical placements, taking into consideration the needs and interests of faculty, programs, clinical partners, and students. Students may only arrange their own placements when specifically asked to do so, using a list of approved sites. Under no circumstances should students contact schools or other sites without explicit permission from the Office of Field Placements.

Applications for student teaching placements must be submitted by Dec. 1, for placements the following fall, and by April 1 for placements the following spring. Students who submit late applications will need to obtain additional approvals and may encounter delays in obtaining a site for student teaching.

Only students who have successfully completed all required general education, academic concentration, academic major, and state-mandated tests and documentation will be admitted to student
teaching. Procedures for Student Performance Reviews, available on the COE website, will be followed if significant performance issues are documented during field experiences. Orientations and other meetings related to field experiences are required of all students.

**Continuing Enrollment**

All candidates for teacher licensure must maintain a minimum 2.7 comprehensive GPA in order to qualify for student teaching and their degrees. A cumulative GPA of 3.0 is required in the education majors and Secondary Education minor. Some programs require a minimum 3.0 GPA in an academic concentration or major in the College of Arts and Sciences.

Grades below C- are not acceptable for meeting either degree or certification requirements. Students also must demonstrate the core professional dispositions outlined in the College of Education conceptual framework and in course syllabi; failure to do so may result in a hearing, remediation, and/or dismissal from the program. Because requirements for continuing enrollment are subject to change, undergraduates must consult frequently with their education advisors. The advising plan developed by the education advisor provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

**Educational Studies**

The Educational Studies program is not a teacher preparation program, and it does not result in teacher licensure. The minor is an 18 credit hour concentration of education courses that prepares students for graduate school in education and school counseling, as well as for work with children and families in government, private industry, adult education, and social service agencies. Students with majors in other colleges at Roosevelt University may choose the Educational Studies minor and obtain advising assistance from professional advisors in the College of Education.

The major in Educational Studies requires 45 credit hours of study, and provides students with employment credentials just short of teacher licensure in the areas of early care and education and youth development and education. A passing score on the ILTS Basic Skills Test or Test of Academic Proficiency is not required for enrollment in courses in the minor or major.

**Graduation**

When students meet with advisors before registration for the final semester, they should confirm that all requirements for graduation have been met. Students must make formal application for graduation to the Graduation Office, and completed applications must be on file in the Office of the Registrar by the posted deadline.

**Grievances**

Faculty and staff in the College of Education are dedicated to the mission and vision of the college and the university. In the event of a grievance or complaint, students should consult the procedures that the college and university have established for the resolution of such matters. For information about these procedures, consult the College of Education website and the Student Handbook available on the Roosevelt University website.

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**Transfer Credit**

No more than 70 credit hours will be accepted in transfer from a two-year institution. The final 54 credit hours toward the BAE degree or secondary education minor must be earned at a regionally accredited four-year college or university. No more than 12 credit hours in the major transferred from another college will be allowed in the teacher licensure programs. The student’s final 30 credit hours must be earned at Roosevelt University. A maximum of 9 hours of transfer credit will be accepted toward the Educational Studies minor. No transfer credit for a course in education will be accepted unless an official course description is submitted and it is determined that the work completed was equivalent in level and content to a Roosevelt University course required for a degree in education. A grade of C or higher or an acceptable evaluation of the student’s performance is required. Once a student is enrolled, all subsequent course work must be taken at Roosevelt University.

**Early Childhood Education, BAE**

The College of Education has six undergraduate programs: Early Childhood Education, Education and Youth Studies, Elementary Education, Middle School Education, Secondary Education and Special Education. The college also works jointly with the Chicago College of Performing Arts to deliver a program in Music Education. All of these programs, with the exception of Educational and Youth Studies, focus on teacher preparation.

The College of Education has a history of serving nontraditional as well as traditional undergraduate students and schedules are designed to meet the needs of full-time as well as part-time students. All teacher preparation programs are offered at the Chicago campus.

Undergraduate programs within the College of Education prepare students to transform schools and communities in the pursuit of knowledge and social justice. Through the continuous evaluation and refinement of academic programs and courses, offerings are kept current and relevant to real-world contexts and professional standards of quality. Experienced, dedicated and culturally diverse faculty work collaboratively with students to foster knowledge and skills with respect to diverse learners, instruction, assessment and research. Talent and resources from a variety of disciplines are integrated and used, as are cutting edge technologies. All programs require a variety of field and clinical experiences that augment and integrate academic studies.

The program in Early Childhood Education is interdisciplinary in scope and practical in orientation. Its purpose is to prepare students to become highly qualified, capable, and dedicated educators in Head Start, childcare, and preschool programs, as well as kindergarten and primary grades. Students complete diverse field placements and clinical experiences in public schools and private agencies serving children from infancy through second grade. Students can choose from two concentrations. The first leads to a State of Illinois teaching license, with the early childhood endorsement and early childhood special education approval, and the Gateways to Opportunity Level 5 ECE Credential. The second concentration leads to the Gateways to Opportunity Level 5 ECE and Infant/Toddler Credentials. The bilingual/ESL minor is required to teacher licensure candidates, and is recommended to students completing the Level 5 ECE and Infant/Toddler Credentials. With careful planning, teacher licensure candidates can add on an additional endorsement in Elementary Education and Special Education (LBS1).
Prerequisites

Two introductory courses (6 credit hours) are required of all undergraduate majors in the College of Education. These courses provide students with the opportunity to explore a variety of educational roles, careers and concepts. All courses must be passed with grades of C- or higher to advance into the major.

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Requirements

Students may begin major CORE courses in the Early Childhood Education program so long as they have a minimum 2.7 GPA in all undergraduate courses. All methods courses must be passed with grades of C- or higher.

Students must maintain an overall GPA of at least a 2.7 while enrolled in the education program. Should a student fall below a 2.7 GPA, the College of Education program faculty will review the students eligibility to continue moving forward in the licensure program.

**Code** | **Title** | **Credit Hours**
---|------------|--------------|
EDUC 202 | CHILD & ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION | 3 |
SPED 219 | EXCEPT CHILDREN & YOUTH | 3 |
ECHD 210 | CHILD, FAMILY, COMMUNITY, AND PHILOSOPHY OF EARLY CHILDHOOD EDUCATION | 3 |
ECHD 303 | IND. COACH & FIELD EXP 1 | 1 |
ECHD 305 | ASSESSMENT EARLY CHILDHOOD EDUCATION | 3 |
EDUC 321 | INTERGR, HLTH, ARTS & PE CURR | 3 |
ECHD 328 | IND. COACH & FIELD EXP 2 | 1 |
ECHD 334 | LANGUAGE DEVELOPMENT | 3 |
ECHD 336 | STRATEGIES AND MATERIALS FOR TEACHING EMERGENT LITERACY AND SOCIAL STUDIES: PRE-K | 3 |
ECHD 338 | EARLY CHILDHOOD CURRICULUM AND ASSESSMENT: PRESCHOOL | 3 |
ECHD 339 | MATHEMATICS & SCIENCE IN EARLY CHILDHOOD EDUCATION | 3 |
ECHD 348 | INDIVIDUALIZED COACHING AND FIELD EXPERIENCES 3 | 1 |
ECHD 370 | INFANT AND TODDLER: TEACHING, LEARNING AND ASSESSMENT | 3 |
|        | Total Credit Hours                            | 21 |

**CONCENTRATION in early care and education (birth-age 8)**

Successful completion of the Early Care and Education concentration entitles students to the Level 5 ECE and Infant/Toddler Credentials, state recognized employment credentials that signal substantial training, education, and experience with children birth through age 8. No exams are required for this credential, but an application must be submitted to Gateways to Opportunity, a support system for Illinois early care and education professionals. The Level 5 Credentials are not a teaching license but may be used to obtain employment in childcare settings. The bilingual/ESL minor is recommended to students completing this concentration. All courses must be passed with grades of C- or higher. Students must have a minimum GPA of a 2.7.

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EDUC 310 | ANTI-BIAS & MULTICULTURAL CURR | 3 |
ECHD 375 | PRACTICUM: INFANT, TODDLER, AND PRESCHOOL | 6 |
EDUC 380 | CAPSTONE: CHILD & YOUTH ISSUES AND ADVOCACY | 3 |
|        | Total Credit Hours                            | 12 |

Field Experience & Practicum/Student Teaching

Pedagogical and real-world training is at the center of undergraduate degree coursework. Consequently, all Early Childhood Education majors are required to enroll in one credit hour ‘individualized Coaching and Field Experiences’ courses in each of three semesters prior to their practicum or student teaching. Each field experience course requires 50 hours in a classroom setting.

In their Individualized Coaching courses, students will complete the field experiences needed to develop professional knowledge, skills and dispositions in alignment with Roosevelt’s social justice mission. As students progress from one individualized Coaching course to another, they will take on tasks and responsibilities that are increasingly complex and challenging. These experiences will prepare students for success in the practicum and student teaching experiences that culminate in approval which will allow teaching special needs pre-kindergarten only. Students in this concentration also must earn the bilingual/ESL minor and with teacher licensure will earn the Bilingual and/or ESL endorsement. With careful planning, students can add on an additional endorsement in Elementary Education and Special Education (LBS1).

All courses must be passed with grades of C- or higher. Student Teaching must be passed with a minimum C or higher.
the Early Childhood major and facilitate the awarding of an employment credential or license.

Placement in practicum/student teaching sites is planned with consideration of professional standards and partnership schools and agencies. Pre-primary and Primary student teaching placements are open only to students who have successfully completed the appropriate general education and professional education courses and early childhood content test (licensure concentration only), and other College of Education student teaching requirements. Placements in sites with diverse student populations are required. Students must make formal application two semesters prior to the semester in which they plan to do their practicum/student teaching. Applicants are expected to be in good and academic standing and must provide evidence of competency with regard to professional dispositions, including the passage of a criminal background check. Students should consult regularly with their advisor about the specific requirements for licensure and student teaching in Illinois.

Licensure requirements
In order to qualify for Roosevelt University's recommendation for the Illinois teaching license and early childhood endorsement, students must meet all general education requirements that are in effect at the time of their application.

Students must consult with their education advisor to determine which general education courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, undergraduates must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Additional 3 credit hours of humanities course elective

Total Credit Hours 44-46

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<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td>1</td>
</tr>
<tr>
<td>PHSC 101</td>
<td>PHYSICAL GEOGRAPHY I</td>
<td>3</td>
</tr>
<tr>
<td>or PHSC 103</td>
<td>GLOBAL CLIMATE CHANGE</td>
<td>3</td>
</tr>
<tr>
<td>POS 101</td>
<td>UNITED STATES POLITICS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>PRINCIPLES OF ECONOMICS I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>HUMAN BIOLOGY</td>
<td>1, 3</td>
</tr>
<tr>
<td>or BIOL 112</td>
<td>ENVIRONMENTAL BIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>MATH 105</td>
<td>MATH 115</td>
<td>3</td>
</tr>
<tr>
<td>MATH 106 or 107^1</td>
<td>MATH 115</td>
<td>3</td>
</tr>
<tr>
<td>ART 101^1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 111 or 112^7</td>
<td>4</td>
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</tr>
</tbody>
</table>

Year 1 Credit Hours

Year 2 Credit Hours

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.
### Year 3

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Course Code</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>ECHD 303</td>
<td>1</td>
<td>Spring</td>
<td>ECHD 328</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>ECHD 334</td>
<td>3</td>
<td></td>
<td>ECHD 336</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECHD 338</td>
<td>3</td>
<td></td>
<td>READ 320</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>READ 358</td>
<td>3</td>
<td></td>
<td>ECHD 370</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECHD 305</td>
<td>3</td>
<td></td>
<td>READ 373</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>General Elective/Endorsement Course 6</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 READ 373</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
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<tr>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

**Total Credit Hours 122**

1. Fulfills a humanities requirement.
2. Fulfills a social science requirement.
3. Experiential Learning course.
4. Ideas course.
5. One Natural Science course must have a lab.
6. General elective may not fulfill program requirements. Consult with advisor for information.

### Year 4

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Course Code</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>ECHD 348</td>
<td>1</td>
<td>Spring</td>
<td>ECHD 375</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ECHD 210</td>
<td>3</td>
<td></td>
<td>EDUC 399</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EDUC 321</td>
<td>3</td>
<td></td>
<td>READ 375</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>READ 374</td>
<td>3</td>
<td></td>
<td>16</td>
<td>12</td>
</tr>
</tbody>
</table>

**Total Credit Hours 122**

1. Fulfills a humanities requirement.
2. Fulfills a social science requirement.
3. Experiential Learning course.
4. Ideas course.
5. One Natural Science course must have a lab.
6. General elective may not fulfill program requirements. Consult with advisor for information.

### Education and Youth Studies, BAE

The College of Education has six undergraduate programs: Early Childhood Education, Education and Youth Studies, Elementary Education, Middle School Education, Secondary Education and Special Education. The college also works jointly with the Chicago College of Performing Arts to deliver a program in Music Education. All of these programs, with the exception of Educational and Youth Studies, focus on teacher preparation.

The College of Education has a history of serving nontraditional as well as traditional undergraduate students and schedules are designed to meet the needs of full-time as well as part-time students. All teacher preparation programs are offered at the Chicago campus.

Undergraduate programs within the College of Education prepare students to transform schools and communities in the pursuit of knowledge and social justice. Through the continuous evaluation and refinement of academic programs and courses, offerings are kept current and relevant to real-world contexts and professional standards of quality. Experienced, dedicated and culturally diverse faculty work collaboratively with students to foster knowledge and skills with respect to diverse learners, instruction, assessment and research. Talent and resources from a variety of disciplines are integrated and used, as are cutting edge technologies. All programs require a variety of field and clinical experiences that augment and integrate academic studies.

The Education and Youth Studies major prepares students for a variety of roles in non-profit agencies, schools and community organizations that provide support to school-age youth (five through sixteen) and their families. The curriculum develops core professional competencies with respect to child growth and development; health, safety, and well being; meeting the needs of diverse learners; and program design and leadership. These competencies are aligned with standards articulated...
by Gateways to Opportunity, an Illinois professional development support system designed to provide guidance, encouragement, and recognition to individuals and programs serving children, youth, and families.

The Education and Youth Studies major does not result in teacher licensure, but graduates are eligible to apply for a paraprofessional educator endorsement on an Illinois Educator License with Stipulations. Individuals with this license and endorsement can provide instructional support in any school that includes programs supported by Title 1, Part A funds. No exams are required for this license and endorsement, but an application must be submitted to the State of Illinois. Graduates also can apply for an Illinois recognized employment credential through Gateways to Opportunity.

Prerequisites

Two introductory courses (6 credit hours) are required of all undergraduate majors in the College of Education. These courses provide students with the opportunity to explore a variety of educational roles, careers and concepts. All courses must be passed with grades of C- or higher to advance into the major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 101</td>
<td>BECOMING A SJ EDUCATOR</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 6

Requirements

Fourteen courses (39 credit hours) are required for the Education and Youth Studies major. Courses begin with content required of teacher candidates and end with a clear focus on youth development and leadership. Field and clinical experiences are integrated throughout the final two years of study. All courses in the major must be passed with grades of C- or higher to earn the degree. A minimum of 39 credit hours are required in the major, and 120 credit hours for the degree. The bilingual/ESL minor is highly recommended.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 202</td>
<td>CHILD &amp; ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 219</td>
<td>EXCEPT CHILDREN &amp; YOUTH</td>
<td>3</td>
</tr>
<tr>
<td>ELED 300</td>
<td>CURRICULUM, INSTRUCTION, AND ASSESSMENT</td>
<td>3</td>
</tr>
<tr>
<td>ELED 301</td>
<td>FOUNDATIONS &amp; COMMUNITY</td>
<td>3</td>
</tr>
<tr>
<td>ELED 303</td>
<td>IN. COACH &amp; FIELD EXP I</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 310</td>
<td>ANTI-BIAS &amp; MULTICULTURAL CURR</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 312</td>
<td>YOUTH &amp; SOC POL RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 314</td>
<td>YTH PROGRAMS LEADERSHIP</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 316</td>
<td>CITY LIFE FOR CITY YOUTH</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 321</td>
<td>INTERGR, HLTH, ARTS &amp; PE CURR</td>
<td>3</td>
</tr>
<tr>
<td>ELED 328</td>
<td>IND. COACHING &amp; FIELD EXP. 2</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 348</td>
<td>COACHING &amp; FIELD EXP. 3</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 375</td>
<td>PRACTICUM:YOUTH DEV &amp; EDU</td>
<td>6</td>
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<tr>
<td>EDUC 380</td>
<td>CAPSTONE: CHILD &amp; YOUSH ISSUES AND ADVOCACY</td>
<td>3</td>
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</table>

Total Credit Hours 37-39

Optional Elective

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 320</td>
<td>METHODS OF TEACHING READING IN K-8 EDUCATION</td>
<td>3</td>
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</tbody>
</table>

Field Experience & Practicum

Pedagogical and real-world training is at the center of undergraduate degree coursework. Consequently, all undergraduates are required to enroll in one credit hour ‘individualized Coaching and Field Experiences’ courses in each of three semesters prior to their practicum.

In their Individualized Coaching courses, students will complete the field experiences needed to develop professional knowledge, skills and dispositions in alignment with Roosevelt’s social justice mission. As students progress from one individualized Coaching course to another, they will take on tasks and responsibilities that are increasingly complex and challenging. These experiences will prepare students for success in the practicum experiences that culminate the Education and Youth Studies major.

General Education Course Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 101</td>
<td>BECOMING A SJ EDUCATOR</td>
<td>3</td>
</tr>
<tr>
<td>HIST 106</td>
<td>THE UNITED STATES TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 107</td>
<td>THE UNITED STATES SINCE 1865</td>
<td>3</td>
</tr>
<tr>
<td>Additional 6 credit hours of humanities course electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td>1</td>
</tr>
<tr>
<td>Additional 6 credits from coursework categorized as Experiential Learning</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>BIOL 111</td>
<td>HUMAN BIOLOGY</td>
<td>1,3</td>
</tr>
<tr>
<td>or BIOL 112</td>
<td>ENVIRONMENTAL BIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PHSC 101</td>
<td>PHYSICAL GEOGRAPHY I (recommended)</td>
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</tr>
<tr>
<td>Additional 6 credits of social science electives</td>
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</tr>
</tbody>
</table>

Total Credit Hours 44-46

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the
most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENG 101</td>
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<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 101</td>
<td>3</td>
<td>EDUC 201(^4)</td>
<td>3</td>
</tr>
<tr>
<td>POS 101(^2)</td>
<td>3</td>
<td>HIST 106 or 107(^1)</td>
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</tr>
<tr>
<td>MATH 110</td>
<td>3</td>
<td>PHSC 101 or 103</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101 or TRS 101</td>
<td>1 Social Science Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective(^6)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16</td>
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<td>15</td>
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</table>

### Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111 or 112(^5)</td>
<td>3</td>
<td>SPED 219(^3)</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 202</td>
<td>3</td>
<td>Humanities Course</td>
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</tr>
<tr>
<td>POS 101</td>
<td>3</td>
<td>General Elective(^6)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Course</td>
<td>3</td>
<td>General Elective(^6)</td>
<td>3</td>
</tr>
<tr>
<td>General Elective(^6)</td>
<td>3</td>
<td>General Elective(^6)</td>
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### Year 3

<table>
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<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>ELED 300</td>
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<td>ELED 328</td>
<td>1</td>
</tr>
<tr>
<td>ELED 301</td>
<td>3</td>
<td>READ 320 or GENERAL ELECTIVE(^1)</td>
<td>3</td>
</tr>
<tr>
<td>ELED 303</td>
<td>1</td>
<td>EDUC 312</td>
<td>3</td>
</tr>
<tr>
<td>General Elective(^6)</td>
<td>3</td>
<td>EDUC 314</td>
<td>3</td>
</tr>
<tr>
<td>General Elective(^6)</td>
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<td></td>
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### Year 4

<table>
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<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>EDUC 310</td>
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<td>6</td>
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<td>EDUC 316</td>
<td>3</td>
<td>EDUC 380</td>
<td>3</td>
</tr>
<tr>
<td>ELED 348</td>
<td>1</td>
<td>General Elective(^6)</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 321</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Elective(^6)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Elective(^6)</td>
<td>3</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>16</td>
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<td>12</td>
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</tbody>
</table>

Total Credit Hours 122

1. Fulfills a humanities requirement.
2. Fulfills a social science requirement.
3. Experiential Learning course.
4. Ideas course.
5. One Natural Science course must have a lab.
6. General elective may not fulfill program requirements. Consult with advisor for information.

### Elementary Education, BAE

The College of Education has six undergraduate programs: Early Childhood Education, Education and Youth Studies, Elementary Education, Middle School Education, Secondary Education and Special Education. The college also works jointly with the Chicago College of Performing Arts to deliver a program in Music Education. All of these programs, with the exception of Educational and Youth Studies, focus on teacher preparation.

The College of Education has a history of serving nontraditional as well as traditional undergraduate students and schedules are designed to meet the needs of full-time as well as part-time students. All teacher preparation programs are offered at the Chicago campus.

Undergraduate programs within the College of Education prepare students to transform schools and communities in the pursuit of knowledge and social justice. Through the continuous evaluation and refinement of academic programs and courses, offerings are kept current and relevant to real-world contexts and professional standards of quality. Experienced, dedicated and culturally diverse faculty work collaboratively with students to foster knowledge and skills with respect to diverse learners, instruction, assessment and research. Talent and resources from a variety of disciplines are integrated and used, as are cutting edge technologies. All programs require a variety of field and clinical experiences that augment and integrate academic studies.

The purpose of the Elementary Education program is to prepare capable, dedicated, and concerned teachers who are committed to the intellectual, emotional, social, and physical growth of school-aged children and youth. Students are encouraged to develop communication skills, content knowledge, observational skills, and sound teaching practices that they can apply to their work with diverse learners. Over the duration of the program, students develop a sense of themselves as professional educators who can act as change agents in their schools. Students who successfully complete the program earn a State of Illinois teaching license. With careful planning, students can add one or more of the following endorsements to their teaching license: Bilingual/ESL, Early Childhood, Special Education (LBS 1), Middle School, and Reading Teacher endorsements.

### Prerequisites

Two introductory courses (6 credit hours) are required of all undergraduate majors in the College of Education. These courses provide students with the opportunity to explore a variety of educational careers and foundational concepts and practices. All courses must be passed with grades of C- or higher to advance into the major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 101</td>
<td>BECOMING A SJ EDUCATOR</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 6

### Requirements

Students may begin major CORE courses in the Elementary Education program so long as they have a minimum 2.7 GPA in all undergraduate courses.
Students must maintain an overall GPA of at least 2.7 while enrolled in the education program. All methods courses must be passed with grades of C- or higher. Should a student fall below a 2.7 GPA, the College of Education program faculty will review the students eligibility to continue moving forward in the licensure program.

Student Teaching must be passed with a minimum C or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 202</td>
<td>CHILD &amp; ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 219</td>
<td>EXCEPT CHILDREN &amp; YOUTH</td>
<td>3</td>
</tr>
<tr>
<td>ELED 300</td>
<td>CURRICULUM, INSTRUCTION, AND ASSESSMENT</td>
<td>3</td>
</tr>
<tr>
<td>ELED 301</td>
<td>FOUNDATIONS &amp; COMMUNITY</td>
<td>3</td>
</tr>
<tr>
<td>ELED 303</td>
<td>IND. COACH &amp; FIELD EXP.</td>
<td>1</td>
</tr>
<tr>
<td>READ 320</td>
<td>METHODS OF TEACHING READING IN K-8 EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 321</td>
<td>INTERGR, HLTH, ARTS &amp; PE CURR</td>
<td>3</td>
</tr>
<tr>
<td>ELED 328</td>
<td>IND. COACHING &amp; FIELD EXP. 2</td>
<td>1</td>
</tr>
<tr>
<td>READ 333</td>
<td>STRAT/MAT READ &amp; SOC STUD K-8</td>
<td>3</td>
</tr>
<tr>
<td>ELED 341</td>
<td>METHODS OF TEACHING MATHEMATICS &amp; SCIENCE IN K-8 EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>ELED 348</td>
<td>COACHING &amp; FIELD EXP. 3</td>
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<tr>
<td>ELED 370</td>
<td>STUDENT TEACHING IN ELEMENTARY EDUCATION</td>
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<td>EDUC 003</td>
<td>CAREER COACHING FOR EDUCATORS</td>
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**Field experience & Student Teaching**

Pedagogical and real-world training is at the center of undergraduate degree coursework. Consequently, all undergraduates are required to enroll in one credit hour ‘Individualized Coaching and Field Experiences’ courses in each of three semesters prior to their practicum or student teaching. Each field experience course requires 50 hours in a classroom setting.

In their individualized Coaching courses, students will complete the field experiences needed to develop professional knowledge, skills, and dispositions in alignment with Roosevelt’s social justice mission. As students progress from one individualized Coaching course to another, they will take on tasks and responsibilities that are increasingly complex and challenging. These experiences will prepare students for success in the student teaching experiences that culminate in the Elementary Education major and facilitate the awarding of an Illinois Professional Educator License.

Placement in student teaching sites is planned with consideration of professional standards and partnership schools and agencies. Student teaching placements are open only to students who have successfully completed the appropriate general education and professional education courses, content tests, and other College of Education and admission to student teaching requirements. Placements in sites with diverse student populations are required. Students must make formal application two semesters prior to the semester in which they plan to do their student teaching. Applicants are expected to be in good physical health and academic standing and must provide evidence of competency with regard to professional dispositions, including passage of a criminal background check. Students should consult regularly with their advisor about the specific requirements for licensure and student teaching in Illinois.

**Licensure requirements**

In order to qualify for Roosevelt University’s recommendation for the Illinois teaching license and elementary endorsement, students must meet all general education requirements that are in effect at the time of their application.

Students must consult with their education advisor to determine which general education courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, undergraduates must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Students, one semester prior to their student teaching must submit proof of passing the Elementary Education content exam that meets the state’s criterion and have a minimum 2.7 GPA in all undergraduate courses. All courses must be passed with grades of C- or higher. Please contact the College of Education for more information regarding the Elementary Education content exam criteria.

Before issuing a license, the Illinois State Board of Education also requires satisfactory scores on the Educator Teacher Performance Assessment Portfolio (edTPA).

**Licensure Course Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 101</td>
<td>BECOMING A SJ EDUCATOR</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>HIST 106</td>
<td>THE UNITED STATES TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 107</td>
<td>THE UNITED STATES SINCE 1865</td>
<td>3</td>
</tr>
<tr>
<td>ART 101</td>
<td>INTRODUCTION TO THE VISUAL ARTS</td>
<td>3</td>
</tr>
<tr>
<td>or THAR 206</td>
<td>FUNDAMENTALS OF ACTING I</td>
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</tr>
<tr>
<td>or MNOM 115</td>
<td>BEGINNING PIANO</td>
<td>3</td>
</tr>
<tr>
<td>or MNOM 156</td>
<td>BEGINNING GUITAR</td>
<td>3</td>
</tr>
<tr>
<td>or MNOM 204</td>
<td>UNIVERSITY SINGERS</td>
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</tr>
<tr>
<td>or MNOM 240</td>
<td>MUSIC IN CULTURE &amp; SOCIETY</td>
<td>3</td>
</tr>
<tr>
<td>ENG 210</td>
<td>BRITISH LITERATURE TO 1789</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 211</td>
<td>BRITISH LITERATURE 1789 TO PRESENT</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 212</td>
<td>AMERICAN LITERATURE TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 213</td>
<td>AMERICAN LITERATURE 1865-PRESENT</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 220</td>
<td>INTRODUCTION TO LITERARY ANALYSIS</td>
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</tr>
<tr>
<td>MATH 105</td>
<td>FOUNDATIONS OF ARITHMETIC</td>
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<tr>
<td>MATH 115</td>
<td>QUANTITATIVE &amp; SPATIAL REASONING</td>
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<tr>
<td>MATH 121</td>
<td>COLLEGE ALGEBRA</td>
<td>3</td>
</tr>
</tbody>
</table>

**RU Mission-Related Courses**
FYS 101  FIRST YEAR SUCCESS COURSE 1
or TRS 101  TRANSFER SUCCESS 101

Experiential Learning
6 credits from coursework categorized as Experiential Learning

Natural Science
BIOL 111  HUMAN BIOLOGY ((includes lab)) 4
or BIOL 112  ENVIRONMENTAL BIOLOGY
PHSC 101  PHYSICAL GEOGRAPHY I 3
or PHSC 103  GLOBAL CLIMATE CHANGE

Must take BIOL 111 or BIOL 112 and must take PHSC 101 or PHSC 103

Social Science
HIST 111  THE WORLD TO 1500 3
or HIST 112  THE WORLD SINCE 1500
POS 101  UNITED STATES POLITICS 3
or POS 102  INTRODUCTION TO COMPARATIVE POLITICS
ECON 234  ELEMENTARY STATISTICS 3

Total Credit Hours 47

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>ENG 102 3</td>
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<tr>
<td>ENG 101</td>
<td>3</td>
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<td>EDUC 101</td>
<td>3</td>
<td>HIST 106 or 107 1</td>
</tr>
<tr>
<td>MATH 105</td>
<td>3</td>
<td>MATH 115</td>
</tr>
<tr>
<td>POS 101</td>
<td>3</td>
<td>Art, Theater, or Music Course 1</td>
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<td>BIOL 111 or 112</td>
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Year 2

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<tr>
<th>Fall</th>
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<td>HIST 111 or 112</td>
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<td>PHSC 101 or 103</td>
</tr>
<tr>
<td>MATH 121</td>
<td>3</td>
<td>ECON 234 2</td>
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<tr>
<td>EDUC 202</td>
<td>3</td>
<td>SPED 219 5</td>
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<tr>
<td>General Elective/Endorsement Course 5</td>
<td>3</td>
<td>English Literature Course 1</td>
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<tr>
<td>General Elective/Endorsement Course 5</td>
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<td>General Elective/Endorsement Course 5</td>
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Year 3

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours Spring</th>
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</thead>
<tbody>
<tr>
<td>ELED 300</td>
<td>3</td>
<td>READ 320</td>
</tr>
<tr>
<td></td>
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</table>

Year 4

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ELED 348</td>
<td>1</td>
<td>ELED 370 12</td>
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<tr>
<td>EDUC 321</td>
<td>3</td>
<td>EDUC 003 0</td>
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<tr>
<td>READ 333</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective/Endorsement Course 5</td>
<td>3</td>
<td>General Elective/Endorsement Course 5</td>
</tr>
<tr>
<td>General Elective/Endorsement Course 5</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Credit Hours 122

1. Fulfills a humanities requirement.
2. Fulfills a social science requirement.
3. One Natural Science course must have a lab.
4. Experiential Learning Course.
5. Ideas Course

If general elective is taken, it may be in any discipline. General electives may not fulfill program requirements. Consult with advisor for information.

Middle School Education, BAE

The purpose of the Middle School Education program is to prepare capable, dedicated, and concerned teachers who are committed to the intellectual, emotional, social, and physical growth of adolescents enrolled in middle school classrooms. Students are encouraged to develop communication skills, content knowledge, observational skills, and sound teaching practices that they can apply to their work with diverse learners. Over the duration of the program, students develop a sense of themselves as professional educators who can act as change agents in their schools. Students who successfully complete the program earn a State of Illinois Professional Educator License to teach in grades 5-8.

Prerequisites
Two introductory courses (6 credit hours) are required of all undergraduate majors in the College of Education. These courses provide students with the opportunity to explore a variety of educational careers and foundational concepts and practices. All courses must be passed with grades of C- or higher to advance into the major.

In addition, all Middle School Education majors are required to successfully complete 21 credit hours of content courses in a selected content area. The content area choices are English language arts, social studies, math, and science. Interested students must consult with the professional advisor in the College of Education before enrolling in Arts and Sciences courses to ensure that all licensure requirements are successfully completed. With careful planning, students can add one or more of the following endorsements to their teaching license: Bilingual/ESL, Special Education (LBS1).

**Requirements**

Students may begin major CORE courses in the Middle School Education program so long as they have a minimum 2.7 GPA in all undergraduate courses.

Students must maintain an overall GPA of at least a 2.7 while enrolled in the education program. Should a student fall below a 2.7 GPA, the College of Education program faculty will review the students eligibility to continue moving forward in the licensure program.

Field experiences in Middle School Education involve urban and suburban placements and must include culturally diverse learners. Experiences take place in middle school grades 5-8 and involve teacher candidates in individual, small group, and whole-class instruction, observation, and participation in community-based activities. A minimum of 100-150 hours of field experiences is required prior to student teaching.

Placement in student teaching is planned with consideration for each student's needs and interests. A College of Education faculty member as well as a resident, experienced teacher supervises each student. Formal application is required approximately two semesters in advance of student teaching. To earn admission to student teaching, a student must have passed the appropriate Content Test. In addition, all students must have a cumulative GPA of 2.7 in their undergraduate courses and a 3.0 GPA respectively in their concentration and Middle School Education courses. All general education, academic content, and professional education course requirements must be completed with grades of C- or higher. The edTPA test is taken during student teaching. This test is required for licensure. No other course may be taken, nor may a student be employed during student teaching.

**Content Requirements**

Students who would like to earn a license to teach Middle School Education must choose one of the following content areas; English, General Science, Mathematics, and Social Science. Each content area has a specific set of courses students must enroll in to meet the state standards to earn licensure. Please consult with the College of Education advisor for further information.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 201</td>
<td>BECOMING A SJ EDUCATOR</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 202</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
</tbody>
</table>

**Field Experience & Student Teaching**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 115</td>
<td>EXPLORING LITERATURE</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 117</td>
<td>TOPICS: IDEAS THROUGH THE CENTURIES</td>
<td>3</td>
</tr>
<tr>
<td>ENG 215</td>
<td>INTRODUCTION TO ETHNIC LITERATURES</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 207</td>
<td>INTRODUCTION TO AFRICAN-AMERICAN LITERATURE</td>
<td>3</td>
</tr>
<tr>
<td>ENG 210</td>
<td>BRITISH LITERATURE TO 1789</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 211</td>
<td>BRITISH LITERATURE 1789 PRESENT</td>
<td>3</td>
</tr>
<tr>
<td>ENG 212</td>
<td>AMERICAN LITERATURE TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 213</td>
<td>AMERICAN LITERATURE 1865-PRESENT</td>
<td>3</td>
</tr>
<tr>
<td>ENG 220</td>
<td>INTRODUCTION TO LITERARY ANALYSIS</td>
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<tr>
<td>READ 339</td>
<td>YOUNG ADULT LITERATURE</td>
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</tr>
<tr>
<td>WRTG 160</td>
<td>THE ART OF PERSUASION</td>
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<tr>
<td>or WRTG 367</td>
<td>TEACHING WRITING: THEORY &amp; PRACTICE</td>
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**General Science Content**

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<thead>
<tr>
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<tbody>
<tr>
<td>PHSC 101</td>
<td>PHYSICAL GEOGRAPHY I</td>
<td>3</td>
</tr>
<tr>
<td>or PHSC 105</td>
<td>INTRODUCTION TO ENVIRONMENTAL SCIENCE</td>
<td>3</td>
</tr>
<tr>
<td>PHSC 107</td>
<td>HOW THE WORLD WORKS</td>
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<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY</td>
<td>2,3</td>
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<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS</td>
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<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I</td>
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**Mathematics Content**

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<tr>
<td>CST 150</td>
<td>COMPUTER SCIENCE I</td>
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<tr>
<td>MATH 217</td>
<td>ELEMENTARY STATISTICS</td>
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<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
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</tbody>
</table>
MATH 245 DISCRETE STRUCTURES 3
MATH 316 HISTORY OF MATHEMATICS 3
MATH 317 GEOMETRY 3

Social Science Content
POS 101 UNITED STATES POLITICS 3
ECON 101 PRINCIPLES OF ECONOMICS I 3
HIST 280 TOPICS IN HISTORIOGRAPHY AND METHODOLOGY 3
HIST 106 THE UNITED STATES TO 1865 3
or HIST 107 THE UNITED STATES SINCE 1865 3
HIST 111 THE WORLD TO 1500 3
or HIST 112 THE WORLD SINCE 1500 3
SOC 101 INTRODUCTION TO SOCIOLOGY 3
PSYC 103 INTRODUCTORY PSYCHOLOGY 3

Licensure requirements

In order to qualify for Roosevelt University’s recommendation for the Illinois teaching license in Middle School Education, students must meet all professional and general education course requirements that are in effect at the time of their application. Students must have also completed 21 semester hours of specific course content in their concentration and all required licensure exams and assessments.

Students must consult with their education advisor to determine which content and general education courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, undergraduates must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Before issuing a license, the Illinois State Board of Education also requires satisfactory scores on the appropriate content exam and the edTPA.

<table>
<thead>
<tr>
<th>Code</th>
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<td>Licensure Course Requirements</td>
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<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 101</td>
<td>BECOMING A SJ EDUCATOR</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>HIST 106</td>
<td>THE UNITED STATES TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 107</td>
<td>THE UNITED STATES SINCE 1865</td>
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<tr>
<td>Additional 6 credit hours of humanities course electives</td>
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<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY</td>
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<tbody>
<tr>
<td></td>
<td>Communication Skills</td>
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</tr>
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<td></td>
<td>Ideas Across Disciplines</td>
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<td>Humanities</td>
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<td></td>
<td>Mathematics</td>
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<tr>
<td></td>
<td>RU Mission-Related Courses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Experiential Learning</td>
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<table>
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<th>Code</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Natural Science</td>
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<tr>
<td>BIOL 111</td>
<td>HUMAN BIOLOGY</td>
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<td>or BIOL 112</td>
<td>ENVIRONMENTAL BIOLOGY</td>
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<td>PHYSICAL GEOGRAPHY I</td>
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<td>or PHSC 103</td>
<td>GLOBAL CLIMATE CHANGE</td>
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<tr>
<th>Social Science</th>
<th>Code</th>
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<tbody>
<tr>
<td>POS 101</td>
<td>UNITED STATES POLITICS</td>
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<tr>
<td>Additional 6 credit hours of social science course electives</td>
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</table>

Total Credit Hours 44-46

Year 1
Fall Credit Hours 1 ENG 102 3
EDUC 101 3 HIST 106 or 107 3
ENG 101 3 EDUC 201 3
POS 101 3 PHSC 101 or 103 3
BIOL 111 or 112 4 Social Science Course 3
MATH 110 3

17 15

Year 2
Fall Credit Hours 1 ENG 102 3
EDUC 101 3 HIST 106 or 107 3
ENG 101 3 EDUC 201 3
POS 101 3 PHSC 101 or 103 3
BIOL 111 or 112 4 Social Science Course 3
MATH 110 3

15 15

Year 3
Fall Credit Hours 1 ENG 102 3
EDUC 101 3 HIST 106 or 107 3
ENG 101 3 EDUC 201 3
POS 101 3 PHSC 101 or 103 3
BIOL 111 or 112 4 Social Science Course 3
MATH 110 3

15 15

Year 4
Fall Credit Hours 1 ENG 102 3
EDUC 101 3 HIST 106 or 107 3
ENG 101 3 EDUC 201 3
POS 101 3 PHSC 101 or 103 3
BIOL 111 or 112 4 Social Science Course 3
MATH 110 3

12 0 3

Experiential Learning:
FYS 101 FIRST YEAR SUCCESS COURSE 1
or TRS 101 TRANSFER SUCCESS 101
1. Content courses are related to the student’s concentration. Courses in the concentration are identified with the student at the time of advising by the College of Education Advisor.

2. General Elective courses may be any social science/humanities, or any course of interest the student would like to enroll. Students may also, in consultation with the College of Education Advisor enroll in courses that will result in earning multiple endorsements in Middle School.

3. Experiential Learning Course.

**Special Education, BAE**

The College of Education has six undergraduate programs: Early Childhood Education, Education and Youth Studies, Elementary Education, Middle School Education, Secondary Education and Special Education. The college also works jointly with the Chicago College of Performing Arts to deliver a program in Music Education. All of these programs, with the exception of Educational and Youth Studies, focus on teacher preparation.

The College of Education has a history of serving nontraditional as well as traditional undergraduate students and schedules are designed to meet the needs of full-time as well as part-time students. All teacher preparation programs are offered at the Chicago campus.

Undergraduate programs within the College of Education prepare students to transform schools and communities in the pursuit of knowledge and social justice. Through the continuous evaluation and refinement of academic programs and courses, offerings are kept current and relevant to real-world contexts and professional standards of quality. Experienced, dedicated and culturally diverse faculty work collaboratively with students to foster knowledge and skills with respect to diverse learners, instruction, assessment and research. Talent and resources from a variety of disciplines are integrated and used, as are cutting edge technologies. All programs require a variety of field and clinical experiences that augment and integrate academic studies.

Roosevelt’s program in Special Education is a K to age 21 teacher licensure program leading to the LBS1 endorsement. Completion of the program qualifies graduates to teach children with all areas of special education needs, with the exception of sensory impairments and communication disorders. The LBS1 classification includes the former categories of learning and cognitive disabilities, severe emotional and behavior disorders, other health impairments, traumatic brain injury, autism, and physical disabilities. In addition to a well-rounded general education program of study, undergraduates are required to complete the sequence of professional courses found under the Requirements section during their junior and senior years. With careful planning, students can add one or more of the following endorsements to their teaching license: Elementary Education, Bilingual/ESL, Early Childhood Special Education approval, Middle School, and Reading Teacher endorsements.

**Prerequisites**

Two introductory courses (6 credit hours) are required of all undergraduate majors in the College of Education. These courses provide students with the opportunity to explore a variety of educational careers and foundational concepts and practices. All courses must be passed with grades of C- or higher to advance into the major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 101</td>
<td>BECOMING A SJ EDUCATOR</td>
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</tr>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
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</table>

**Requirements**

Students may begin major CORE courses in the Special Education program so long as they have a minimum 2.7 GPA in all undergraduate courses.

Students must maintain an overall GPA of at least a 2.7 while enrolled in the education program. Should a student fall below a 2.7 GPA, the College of Education program faculty will review the students eligibility to continue moving forward in the licensure program.

All courses must be passed with grades of C- or higher. Student Teaching must be passed with a minimum C or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUC 202</td>
<td>CHILD &amp; ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 219</td>
<td>EXCEPT CHILDREN &amp; YOUTH</td>
<td>3</td>
</tr>
<tr>
<td>SPED 300</td>
<td>CURRICULUM, INSTRUCTION, &amp; ASSESSMENT</td>
<td>3</td>
</tr>
<tr>
<td>SPED 301</td>
<td>FOUNDATIONS &amp; COMMUNITY</td>
<td>3</td>
</tr>
<tr>
<td>SPED 303</td>
<td>IND. COACHING &amp; FIELD EXP. I</td>
<td>1</td>
</tr>
<tr>
<td>READ 320</td>
<td>METHODS OF TEACHING READING IN K-8 EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 321</td>
<td>INTERGR, HLTH, ARTS &amp; PE CURR</td>
<td>3</td>
</tr>
<tr>
<td>SPED 328</td>
<td>IND. COACHING &amp; FIELD EXP. II</td>
<td>1</td>
</tr>
<tr>
<td>SPED 340</td>
<td>ASSESSMENT IN SPECIAL EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 341</td>
<td>METHODS OF TEACHING MATHEMATICS &amp; SCIENCE IN K-8 EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 342</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON COGNITION</td>
<td>4</td>
</tr>
<tr>
<td>SPED 343</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON BEHAVIOR</td>
<td>4</td>
</tr>
<tr>
<td>SPED 345</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON PHYSICAL HEALTH</td>
<td>4</td>
</tr>
<tr>
<td>SPED 346</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON LEARNING</td>
<td>4</td>
</tr>
<tr>
<td>SPED 348</td>
<td>IND. COACH &amp; FIELD EXP. III</td>
<td>1</td>
</tr>
<tr>
<td>SPED 350</td>
<td>TECHNOLOGY FOR SPECIAL EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 361</td>
<td>INTERNSHIP IN SPECIAL EDUCATION</td>
<td>4</td>
</tr>
<tr>
<td>SPED 366</td>
<td>STUDENT TEACHING SEMINAR: SPECIAL EDUCATION</td>
<td>8</td>
</tr>
</tbody>
</table>
Field and clinical experiences
Pedagogical and real-world training is at the center of undergraduate degree coursework. Consequently, all undergraduates are required to enroll in one credit hour ‘Individualized Coaching and Field Experiences’ courses in each of three semesters prior to their practicum or student teaching.

In their Individualized Coaching courses, students will complete the field experiences needed to develop professional knowledge, skills and dispositions in alignment with Roosevelt’s social justice mission. As students progress from one Individualized Coaching course to another, they will take on tasks and responsibilities that are increasingly complex and challenging. These experiences will prepare students for success in the student teaching experiences that culminate the Special Education major and facilitate the awarding of an Illinois Professional Educator License.

Placement in student teaching sites is planned with consideration of professional standards and partnership schools and agencies. Student teaching placements are open only to students who have successfully completed the appropriate general education and professional education courses, the required content tests, and other College of Education and admission to student teaching requirements. Placements in sites with diverse student populations are required. Students must make formal application two semesters prior to the semester in which they plan to do their student teaching. Applicants are expected to be in good and academic standing, and must provide evidence of competency with regard to professional dispositions, including passage of a criminal background check. Students should consult regularly with their advisor about the specific requirements for licensure and student teaching in Illinois.

Licensure requirements
In order to qualify for Roosevelt University’s recommendation for the Illinois teaching license and special education endorsement, students must meet all general education requirements that are in effect at the time of their application.

Students must consult with their education advisor to determine which general education courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, undergraduates must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Student’s one semester prior to their student teaching must submit proof of passing the Special Education General Curriculum and Learning Behavioral Specialist (LBSI) content exams that meets the state’s criterion and have a minimum 2.7 GPA in all undergraduate courses. All courses must be passed with grades of C- or higher. Please contact the College of Education for more information regarding the Special Education content exams criteria.

Before issuing a license, the Illinois State Board of Education also requires satisfactory scores on the Educator Teacher Performance Assessment Portfolio (edTPA).

Licensure Course Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Communication Skills</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 101</td>
<td>BECOMING A SJ EDUCATOR</td>
<td>3</td>
</tr>
<tr>
<td>Ideas Across Disciplines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 106</td>
<td>THE UNITED STATES TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 107</td>
<td>THE UNITED STATES SINCE 1865</td>
<td>3</td>
</tr>
<tr>
<td>Additional 6 credit hours of humanities course electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 105</td>
<td>FOUNDATIONS OF ARITHMETIC</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY</td>
<td>3</td>
</tr>
<tr>
<td>RU Mission-Related Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td>1</td>
</tr>
<tr>
<td>Experiential Learning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 credits from coursework categorized as Experiential Learning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 111 or BIOL 112</td>
<td>HUMAN BIOLOGY or ENVIRONMENTAL BIOLOGY</td>
<td>1,3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHSC 105</td>
<td>INTRODUCTION TO ENVIRONMENTAL SCIENCE</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POS 101</td>
<td>UNITED STATES POLITICS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>PRINCIPLES OF ECONOMICS I</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>INTRODUCTION TO SOCIOLOGY</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours
41-43

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>1 ENG 102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>3 EDUC 201</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDUC 101</td>
<td>3 HIST 106 or 107</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>POS 101</td>
<td>3 MATH 110 or HIGHER</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 105</td>
<td>3 BIOL 111 or 112</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>3</td>
<td></td>
<td></td>
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</tbody>
</table>

16 16
<table>
<thead>
<tr>
<th>Year 2</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>EDUC 202</td>
<td>3</td>
<td>SPED 219</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECON 101</td>
<td>3</td>
<td>PHSC 105</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Humanities Course</td>
<td>3</td>
<td>Humanities Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective/Endorsement Course</td>
<td>3</td>
<td>General Elective/Endorsement Course</td>
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<td>3</td>
<td>General Elective/Endorsement Course</td>
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<td><strong>Total Credit Hours</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Year 3</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>SPED 300</td>
<td>3</td>
<td>READ 320</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SPED 301</td>
<td>3</td>
<td>SPED 328</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>SPED 303</td>
<td>1</td>
<td>SPED 341</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SPED 342</td>
<td>4</td>
<td>SPED 343</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>General Elective/Endorsement Course</td>
<td>3</td>
<td>SPED 345</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>General Elective/Endorsement Course</strong></td>
<td><strong>3</strong></td>
<td><strong>General Elective/Endorsement Course</strong></td>
<td><strong>3</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
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<td><strong>Total Credit Hours</strong></td>
<td>15</td>
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</table>

<table>
<thead>
<tr>
<th>Year 4</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 348</td>
<td>1</td>
<td>SPED 361</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>SPED 340</td>
<td>3</td>
<td>SPED 366</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>SPED 346</td>
<td>4</td>
<td>EDUC 003</td>
<td>0</td>
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</tr>
<tr>
<td>SPED 350</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>EDUC 321</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Elective/Endorsement Course</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>General Elective/Endorsement Course</strong></td>
<td><strong>3</strong></td>
<td><strong>General Elective/Endorsement Course</strong></td>
<td><strong>3</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td>17</td>
<td><strong>Total Credit Hours</strong></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 123

1. Fulfills a humanities requirement.
2. Fulfills a social science requirement.
3. Experiential Learning course.
4. Ideas course.
5. One Natural Science course must have a lab.
6. Endorsement requirements vary. Please consult with advisor for information. If general elective is taken, it may be in any discipline. General elective may not fulfill program requirements. Consult with advisor for information.

## Certificates

- Special Education Certificate, LBS1 Endorsement (p. 173)

### Special Education Certificate, LBS1 Endorsement

This certificate program is intended for candidates for teacher licensure who wish to receive state approval to teach students with special needs at their approved grade level. The certificate prepares candidates to instruct diverse learners with a variety of exceptional needs and leads to the addition of an LBS 1 endorsement on an Illinois Professional Educator License.

**ADMISSION**

Undergraduate candidates for teacher licensure can enroll in this certificate program at any time provided that they have met the Illinois requirements for admission into a teacher licensure program. The certificate courses can be applied toward the requirements for an undergraduate degree. Please see a professional advisor in the College of Education for more information.

The state requirements for a special education endorsement (LBS1) on an existing license include four courses and a total of 14 credit hours. The first two courses below are required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 219</td>
<td>EXCEPT CHILDREN &amp; YOUTH</td>
<td>3</td>
</tr>
<tr>
<td>SPED 340</td>
<td>ASSESSMENT IN SPECIAL EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 342</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON COGNITION</td>
<td></td>
</tr>
<tr>
<td>or SPED 345</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON PHYSICAL HEALTH</td>
<td>4</td>
</tr>
<tr>
<td>SPED 343</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON BEHAVIOR</td>
<td>4</td>
</tr>
<tr>
<td>or SPED 346</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON LEARNING</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credit Hours** 14

### Minors

Undergraduate students may choose one or more secondary areas of specialization, called minors, along with their majors. Minors typically require between 12 and 18 credit hours (four to six classes). Students majoring in one program often elect to complete a minor in another program and even in another college. Students should consult with their academic advisor to determine if a minor fits their academic plan.

- Bilingual/ESL Education, Minor (p. 173)
- Educational Studies, Minor (p. 174)
- Secondary Teacher Education, Minor (p. 175)

### Bilingual/ESL Education, Minor

The College of Education has six undergraduate programs: Early Childhood Education, Education and Youth Studies, Elementary Education, Middle School Education, Secondary Education and Special Education. The college also works jointly with the Chicago College of Performing Arts to deliver a program in Music Education. All of these
programs, with the exception of Educational and Youth Studies, focus on teacher preparation.

The College of Education has a history of serving nontraditional as well as traditional undergraduate students and schedules are designed to meet the needs of full-time as well as part-time students. All teacher preparation programs are offered at the Chicago campus.

Undergraduate programs within the College of Education prepare students to transform schools and communities in the pursuit of knowledge and social justice. Through the continuous evaluation and refinement of academic programs and courses, offerings are kept current and relevant to real-world contexts and professional standards of quality. Experienced, dedicated and culturally diverse faculty work collaboratively with students to foster knowledge and skills with respect to diverse learners, instruction, assessment and research. Talent and resources from a variety of disciplines are integrated and used, as are cutting edge technologies. All programs require a variety of field and clinical experiences that augment and integrate academic studies.

The Bilingual/ESL Education minor prepares future educators to improve student learning with children and families who have a first language other than English. The minor leads to either a bilingual or ESL endorsement on an Illinois Professional Educator License.

To earn the bilingual endorsement, teacher candidates must pass a state language exam in addition to successfully completing the courses in the minor.

In addition, all students completing the Bilingual/ESL minor must complete 100 clinical hours of observation and practice teaching in classrooms serving English-language learners.

Standards
At least four of the courses, or 12 credit hours, must be taken at Roosevelt University. All courses must be passed with grades of C- or higher and a minimum 2.0 overall GPA.

Requirements
Six courses in Education (18 credit hours) make up the minor. All courses are required (see below).

All courses must be passed with grades of C- or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION (20 clinical hours)</td>
<td>3</td>
</tr>
<tr>
<td>DLED 358</td>
<td>LINGUISTICS FOR ESL TEACHERS</td>
<td>3</td>
</tr>
<tr>
<td>DLED 373</td>
<td>ASSESS OF BILINGUAL STUDENTS</td>
<td>3</td>
</tr>
<tr>
<td>DLED 374</td>
<td>METH/MATERIALS TEACH BILINGUAL</td>
<td>3</td>
</tr>
<tr>
<td>DLED 375</td>
<td>MTHDS &amp; MTRLS TEACHING ESL</td>
<td>3</td>
</tr>
<tr>
<td>Choose one elective course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>READ 320</td>
<td>METHODS OF TEACHING READING IN K-8 EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>or READ 363</td>
<td>TEACHING LANGUAGE AND LITERACY IN THE CONTENT AREAS</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Educational Studies, Minor
The College of Education has six undergraduate programs: Early Childhood Education, Education and Youth Studies, Elementary Education, Middle School Education, Secondary Education and Special Education. The college also works jointly with the Chicago College of Performing Arts to deliver a program in Music Education. All of these programs, with the exception of Educational and Youth Studies, focus on teacher preparation.

The College of Education has a history of serving nontraditional as well as traditional undergraduate students and schedules are designed to meet the needs of full-time as well as part-time students. All teacher preparation programs are offered at the Chicago campus.

Undergraduate programs within the College of Education prepare students to transform schools and communities in the pursuit of knowledge and social justice. Through the continuous evaluation and refinement of academic programs and courses, offerings are kept current and relevant to real-world contexts and professional standards of quality. Experienced, dedicated and culturally diverse faculty work collaboratively with students to foster knowledge and skills with respect to diverse learners, instruction, assessment and research. Talent and resources from a variety of disciplines are integrated and used, as are cutting edge technologies. All programs require a variety of field and clinical experiences that augment and integrate academic studies.

The Education and Youth Studies minor prepares students for graduate school in education and school counseling, as well as for work with children and families in government, private industry, adult education, and social services agencies. The Education and Youth Studies minor is not a teacher preparation program, and it does not lead to teacher licensure. Students with majors in other colleges at Roosevelt can choose the minor and obtain advising assistance from professional advisors in the College of Education.

Standards
At least three of the courses, or 9 credit hours, must be taken at Roosevelt University. All courses must be passed with grades of C- or higher, and a minimum 2.0 overall GPA

Requirements
Six courses in education (18 credit hours) make up the minor. Three courses are required (see below).

All courses must be passed with grades of C- or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 202</td>
<td>CHILD &amp; ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 219</td>
<td>EXCEPT CHILDREN &amp; YOUTH</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select three of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDUC 291</td>
<td>ISSUES IN METROPOLITAN EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 310</td>
<td>ANTI-BIAS &amp; MULTICULTURAL CURR</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 312</td>
<td>YOUTH &amp; SOC POL RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 314</td>
<td>YTH PROGRAMS LEADERSHIP</td>
<td>1,3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18
Secondary Teacher Education, Minor

The College of Education has six undergraduate programs: Early Childhood Education, Education and Youth Studies, Elementary Education, Middle School Education, Secondary Education and Special Education. The college also works jointly with the Chicago College of Performing Arts to deliver a program in Music Education. All of these programs, with the exception of Educational and Youth Studies, focus on teacher preparation.

The College of Education has a history of serving nontraditional as well as traditional undergraduate students and schedules are designed to meet the needs of full-time as well as part-time students. All teacher preparation programs are offered at the Chicago campus.

Undergraduate programs within the College of Education prepare students to transform schools and communities in the pursuit of knowledge and social justice. Through the continuous evaluation and refinement of academic programs and courses, offerings are kept current and relevant to real-world contexts and professional standards of quality. Experienced, dedicated and culturally diverse faculty work collaboratively with students to foster knowledge and skills with respect to diverse learners, instruction, assessment and research. Talent and resources from a variety of disciplines are integrated and used, as are cutting edge technologies. All programs require a variety of field and clinical experiences that augment and integrate academic studies.

The Secondary Teacher Education minor is designed for undergraduates who wish to become high school teachers in history, chemistry, biology, English, and mathematics. Students earn a minor in Secondary Education as a complement to their major in the College of Arts of Sciences. Students who successfully complete the minor are eligible for a State of Illinois teaching license, grades 9 through 12, with an endorsement in the chosen subject area (biology, chemistry, English, history, or math). The middle school endorsement and other endorsements can also be earned, in consultation with a professional advisor in the College of Education.

Admission

Students are formally admitted to the teacher licensure program when they earn a passing score on the required ILTS content exam, provided that they have a minimum 2.7 GPA overall in undergraduate courses and have demonstrated professional dispositions in the 18 semester hours of education courses required prior to the last year of study. Formal admission is required to enroll in courses offered in the last year of the program.

Undergraduates who do not earn a passing score on the required ILTS content exam by the deadline of May 1 will not be eligible to enroll in the courses required during the last year of the program. In this situation, students will be advised to complete all of the requirements for their major in the College of Arts and Sciences before attempting again to pass the ILTS content exam. Should a passing score be earned at a later date, students will be able to complete the last year of the program through a fifth year of undergraduate study or as a graduate student in Secondary Education.

Advising

Because specific courses in the academic major are required for licensure, students must consult with both a College of Arts and Sciences and a College of Education advisor to ensure that their plans for academic study in their major are correct and in fulfillment of all licensure requirements. All declared or prospective minors should contact an education advisor in their first year of study at Roosevelt University.

Because requirements for teacher licensure are subject to change, undergraduates must consult frequently with both their education and academic major advisors. The advising plan developed by the education advisor provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Prerequisites

The minor does not have any prerequisites. However, the course below is recommended as an introduction to the Secondary Teacher Education minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 101</td>
<td>BECOMING A SJ EDUCATOR</td>
<td>3</td>
</tr>
</tbody>
</table>

Requirements

Students may begin minor Secondary Education courses so long as they have a minimum 2.7 GPA in all undergraduate courses.

Students must maintain an overall GPA of at least a 2.7 while enrolled in the education program. Should a student fall below a 2.7 GPA, the College of Education program faculty will review the students eligibility to continue moving forward in the licensure program.

Student’s one semester prior to their student teaching must submit proof of passing the appropriate Secondary Education content exam that meets the state’s criterion.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 202</td>
<td>CHILD &amp; ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION</td>
<td>3</td>
</tr>
<tr>
<td>READ 339</td>
<td>YOUNG ADULT LITERATURE (required only of English majors)</td>
<td>3</td>
</tr>
<tr>
<td>SPED 219</td>
<td>EXCEPT CHILDREN &amp; YOUTH</td>
<td>3</td>
</tr>
<tr>
<td>READ 363</td>
<td>TEACHING LANGUAGE AND LITERACY IN THE CONTENT AREAS</td>
<td>3</td>
</tr>
<tr>
<td>SEED 301</td>
<td>SEMINAR IN SECONDARY EDUCATION</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Student Teaching must be passed with a minimum C or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEED 350</td>
<td>FIELD EXPERIENCE SECONDARY EDUCATION</td>
<td>4</td>
</tr>
</tbody>
</table>
SEED 360  STUDENT TEACHING SEMINAR: SECONDARY EDUCATION  12

Methods of teaching in major fields

Select one of the following:  3

SEED 322  METHODS OF TEACHING SECONDARY SCIENCE
SEED 323  METHODS OF TEACHING MIDDLE SCHOOL-SECONDARY MATH
SEED 326  METHODS OF TEACHING SOCIAL STUDIES TO ADOLESCENTS
SEED 327  METHODS OF TEACHING ENGLISH TO ADOLESCENTS

Total Credit Hours  19

Field experience & student teaching

Field experiences in Secondary Education involve urban and suburban placements and must include culturally diverse learners. Experiences take place in Secondary Education settings and evolve teacher candidates in individual, small group, and whole-class instruction, observation, and participation in community-based activities. A minimum of 100 hours of field experiences is required prior to student teaching.

Placement in student teaching is planned with consideration for each student’s needs and interests. A College of Education faculty member as well as a resident, experienced teacher supervises each student. Formal application is required approximately two semesters in advance of student teaching. To earn admission to student teaching, a student must have passed the appropriate Secondary Education content exam. In addition, all students must have a cumulative GPA of 2.7 in their undergraduate general education courses and major content courses. All general education, academic content, and professional education course requirements must be completed with grades of C- or higher. The edTPA test should be taken during student teaching. This test is required for licensure.

CONTENT REQUIREMENTS

Students who would like to earn a license to teach Secondary Education must choose one of the following content areas for the endorsement; Biology, Chemistry, English, History or Math. Each content area has a specific set of courses students must enroll in to meet the state standards to earn licensure. Please consult with the College of Education advisor for further information.

To determine the order in which the content courses below should be taken and to ensure pre-requisite requirements are met, students must also consult with their major advisor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>ORGANISMIC BIOLOGY</td>
<td>2,3</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>ECOLOGY, EVOLUTION, AND GENETICS</td>
<td>2,3</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>CELLULAR &amp; MOLECULAR BIOLOGY</td>
<td>2,3</td>
</tr>
<tr>
<td>BIOL 351</td>
<td>GENERAL GENETICS</td>
<td>2,3</td>
</tr>
<tr>
<td>BIOL 360</td>
<td>MICROBIOLOGY</td>
<td>2,3</td>
</tr>
<tr>
<td>BIOL 300 level elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>BIOL 300 level elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>BIOL 300 level elective</td>
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<td>3</td>
</tr>
</tbody>
</table>

Chemistry Content

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 201</td>
<td>GENERAL CHEMISTRY I</td>
<td>2,3</td>
</tr>
<tr>
<td>CHEM 211</td>
<td>ORGANIC CHEMISTRY I</td>
<td>2,3</td>
</tr>
<tr>
<td>CHEM 212</td>
<td>ORGANIC CHEMISTRY II</td>
<td>2,3</td>
</tr>
<tr>
<td>CHEM 237</td>
<td>QUANTITATIVE ENVIRONMENTAL ANALYSIS</td>
<td>2,3</td>
</tr>
<tr>
<td>CHEM 321</td>
<td></td>
<td>2,3</td>
</tr>
<tr>
<td>CHEM 322</td>
<td></td>
<td>2,3</td>
</tr>
<tr>
<td>CHEM 341</td>
<td>INORGANIC CHEMISTRY</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 313</td>
<td>ADVANCED ORGANIC CHEMISTRY LAB</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 337</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 347</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCHM 355</td>
<td>BIOCHEMISTRY</td>
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English Content

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<th>Code</th>
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<tbody>
<tr>
<td>ENG 115</td>
<td>EXPLORING LITERATURE</td>
<td>3</td>
</tr>
<tr>
<td>ENG 117</td>
<td>TOPICS: IDEAS THROUGH THE CENTURIES</td>
<td>3</td>
</tr>
<tr>
<td>ENG 210</td>
<td>BRITISH LITERATURE TO 1789</td>
<td>3</td>
</tr>
<tr>
<td>ENG 211</td>
<td>BRITISH LITERATURE 1789 TO PRESENT</td>
<td>3</td>
</tr>
<tr>
<td>ENG 212</td>
<td>AMERICAN LITERATURE TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>ENG 213</td>
<td>AMERICAN LITERATURE 1865-PRESENT</td>
<td>3</td>
</tr>
<tr>
<td>ENG 215</td>
<td>INTRODUCTION TO ETHNIC LITERATURE</td>
<td>3</td>
</tr>
<tr>
<td>ENG 220</td>
<td>INTRODUCTION TO LITERARY ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 160</td>
<td>THE ART OF PERSUASION</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 367</td>
<td>TEACHING WRITING: THEORY &amp; PRACTICE</td>
<td>3</td>
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</table>

Open English Elective | 3|
| ENG 300 level elective | 3|
| ENG 300 level elective | 3|
| ENG 300 level elective | 3|

History Content

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<thead>
<tr>
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<tbody>
<tr>
<td>HIST 106</td>
<td>THE UNITED STATES TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107</td>
<td>THE UNITED STATES SINCE 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>THE WORLD TO 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 112</td>
<td>THE WORLD SINCE 1500</td>
<td>3</td>
</tr>
<tr>
<td>Introductory History Course or Higher</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 240</td>
<td>INTRODUCTION TO AFRICA</td>
<td>3</td>
</tr>
<tr>
<td>HIST 280</td>
<td>TOPICS IN HISTORIOGRAPHY AND METHODOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>HIST 341</td>
<td>TOPICS IN EUROPEAN HISTORY</td>
<td>1-3</td>
</tr>
<tr>
<td>or HIST 348</td>
<td>SOCIAL &amp; CULTURAL HISTORY OF MEDICINE 1500-PRESENT</td>
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</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>HIST 200</td>
<td>OR 300 level elective</td>
<td>3</td>
</tr>
<tr>
<td>HIST 200</td>
<td>OR 300 level elective</td>
<td>3</td>
</tr>
<tr>
<td>HIST 300 level elective</td>
<td></td>
<td>3</td>
</tr>
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<td>3</td>
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<tr>
<td>HIST 300 level elective</td>
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Mathematics Content

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 231</td>
<td>CALCULUS I</td>
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</tr>
<tr>
<td>MATH 232</td>
<td>CALCULUS II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 233</td>
<td>CALCULUS III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 245</td>
<td>DISCRETE STRUCTURES</td>
<td>3</td>
</tr>
</tbody>
</table>
**Licensure requirements**

In order to qualify for Roosevelt University’s recommendation for the Illinois teaching license and Secondary Education endorsement, students must meet all academic major and general education requirements that are in effect at the time of their application. Students must have also completed 32 semester hours of specific course content in their academic major.

Students must consult with their education advisor to determine which academic major and general education courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, undergraduates must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Before issuing a license, the Illinois State Board of Education also requires satisfactory scores on the Educator Teacher Performance Assessment Portfolio (edTPA).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Licensure Course Requirements</td>
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</tr>
<tr>
<td></td>
<td>Communication Skills</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 101</td>
<td>BECOMING A SJ EDUCATOR</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Ideas Across Disciplines</td>
<td></td>
</tr>
<tr>
<td>EDUC 201</td>
<td>LANGUAGE &amp; CULTURE IN EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities</td>
<td></td>
</tr>
<tr>
<td>HIST 106</td>
<td>THE UNITED STATES TO 1865</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 107</td>
<td>THE UNITED STATES SINCE 1865</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Additional 6 credit hours of humanities course electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Mathematics</td>
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</tr>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY</td>
<td>3</td>
</tr>
<tr>
<td>or HIGHER</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>RU Mission-Related Courses</td>
<td></td>
</tr>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Experiential Learning</td>
<td></td>
</tr>
<tr>
<td>6 credits from coursework categorized as Experiential Learning</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Credits</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td>SEED 322, 323, 326, or 327</td>
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<td></td>
</tr>
<tr>
<td>Content Course #12</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective/Endorsement Course</td>
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<td></td>
</tr>
<tr>
<td>General Elective/Endorsement Course</td>
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<td></td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>120</strong></td>
<td></td>
</tr>
</tbody>
</table>
HELTER COLLEGE OF BUSINESS

Walter E. Heller and Alyce DeCosta

The Heller College of Business prides itself on preparing students for future professional and personal success through a cutting-edge curriculum that builds fundamental business knowledge, hands-on projects that develop in-demand professional skills and foster critical-thinking, and experiential learning opportunities that provide exposure to the metropolitan Chicago business community. Our faculty are a mix of award winning scholars and highly successful industry practitioners who challenge students to realize their potential and support their journey to success. Our faculty, staff, advisory board members, and network of alumni work collaboratively to ensure the College delivers a world-class education for a diverse student body, preparing them for future roles as business leaders and socially-conscious citizens.

The Heller College of Business (HCB) is named after Walter E. Heller, a preeminent Chicago businessman in the mid-1900’s. A resourceful, hard-working, and meticulous entrepreneur, Heller’s business empire grew to include food manufacturing, jewelry, and finance (including commercial lending and private equity). Walter E. Heller died in 1969, but with the generous support of his widow, Alyce DeCosta, and the Walter E. Heller Foundation, a substantial naming gift of $2 million was made to Roosevelt University. The College proudly carries the Heller name to this day, continuing the legacy of entrepreneurialism and excellence that defined Walter E. Heller’s career.

Mission

The Heller College of Business designs and delivers quality programs and services that meet current and future educational needs of students in a dynamic, global business environment; and promote a climate of integrity and social responsibility while developing critical business skills.

Accreditation

The undergraduate programs of the Heller College of Business (HCB) are accredited by the Association of Collegiate Business Schools and Programs (ACBSP). University business programs worldwide pursue this recognition, and ACBSP accredits approximately 10 percent of business programs in the United States and a few outside the United States. ACBSP accreditation is a mark of distinction in that accredited programs must meet national and international standards for teaching excellence, achieving learning outcomes, mission-based strategic planning, and continuous improvement. All programs of the University are accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

Degree programs

The HCB grants the degree of Bachelor of Science in Business Administration (BSBA). Each student chooses a major from among Accounting, Finance, Human Resource Management, Management, Marketing, Real Estate, or Social Entrepreneurship. The HCB also grants the degrees of Bachelor of Science In Hospitality and Tourism Management (BSHTM) and Bachelor of Arts in Organizational Leadership (BAOL).

Transfer credit

Credits are accepted from community, junior or senior colleges that are accredited by a regional accreditation organization. Up to 70 credits can be accepted from a community college. All community college courses are accepted as lower level credits. Up to 90 credits can be accepted from a four-year college or university. All business core and major requirements are taken at the 300-level.

All transfer students must satisfy the University Writing Requirement which may include taking English 100 (see the University Writing Requirement). No exceptions are made. Each transfer course is evaluated to confirm that it includes all topics included in the corresponding Roosevelt course. Regardless of title, courses considered inappropriate or not equivalent will not be accepted. Students should consult with a Roosevelt University advisor and the transfer guide (http://www.roosevelt.edu/Admission/Undergraduate/Transfer/TransferGuide.aspx) pages when transferring courses to Roosevelt University.

Grade requirements

Specific requirements for individual majors are listed under each discipline. All courses in the major must be passed with grades of C- or higher. Each major has additional course(s) which require a grade of C- or higher.

Course Grading

Undergraduate courses in the HCB are graded on a standard letter grade scale (A through F). All HCB courses taken as a part of a business major, business minor, business core course, or specific course requirement will be graded in this manner. The only exception to this standard letter grade policy are for non-business-major students who are taking HCB courses as elective courses as a part of a non-business degree program. In this circumstance, a student may formally request to be graded as a Pass/Fail arrangement. The request must not conflict with any other university or college-level policy, and approval of this request must be obtained from their academic advisor in consultation with the appropriate department chair.

Double major

Students who want a double major, within the Heller College of Business, must complete 18 separate credit hours in each discipline. Students may declare a double major while completing the first bachelor’s degree. Usually a double major requires students to complete more than 120 credit hours for the degree. See an advisor for specific information.

Second bachelor’s degree

Applicants who have received a bachelor’s degree from a regionally accredited college or university in the United States are eligible for admission as second bachelor’s degree candidates. Applicants with international credentials which are the equivalent of a bachelor’s degree from a four-year accredited U.S. university (as determined by an evaluation agency approved by Roosevelt University) are also eligible for admission as second bachelor’s degree candidates. Official transcripts from each college previously attended are required along with the admission application and fee.

The residency requirement for the second bachelor’s degree is a minimum of 30 credit hours earned at Roosevelt University that have not been counted for any other degree.
In all University colleges, degree requirements in general may be met with transfer credit, Roosevelt University courses, or a combination of both. However, specific degree requirements differ from college to college. In the College of Business, all degree requirements (including residency, grade requirements, and required courses in general education, liberal studies, junior/senior core, and the major) must be satisfied.

Students with international credentials must consult with the appropriate college to discuss possible deficiencies in major or general education requirements.

Students with a bachelor’s degree from a four-year accredited U.S. university have met the University Writing Requirement, and do not need to take the English portion of the Roosevelt University Assessment (RUA). However, if the degree being sought is related to areas such as science, math, business, or computer science, the student may be asked to take the mathematics portion of the RUA.

Requirements for students earning a double major are different from those earning a second bachelor’s degree. Please refer to the appropriate college section of the catalog for details.

Business minors for business majors

Students may also complete a business minor in an area outside their business major. The requirements, for Heller College of Business students, are four courses in one area at the 300 level without overlap with the major requirements. At least three of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.

Business minors are available to non-business major students outside of the Heller College of Business.

General business minor (for non-business majors)

A Business minor is available to students from the other colleges of Roosevelt University. The requirements are seven courses in business, including three required courses and four upper-level (300 level) business courses approved by the student’s advisor. A student may choose courses from different business areas such as Management, Marketing, Finance, Accounting, Human Resources, etc.

Discipline minors (for non-business majors)

A student may take a more specialized business minor in an area such as Accounting, Finance, Human Resource Management, Management, or Marketing. Students must complete all prerequisites for courses in their chosen minor areas, including junior standing for 300-level courses. At least three courses in the minor must be taken at Roosevelt University. See the Assistant Dean for specific course information.

Graduation

A regular student in good standing may become a degree candidate when he/she has completed a minimum of 120 credit hours of credit with a minimum grade point average of 2.0. At least 18 credit hours in the major must be passed with grades of C- or higher, including transfer work. MGMT 380 must be passed with a grade of C- or better and must be taken at Roosevelt University. All business core class requirements must also be passed with a C- or better.

Advising

Business majors should contact HCB for advising at (312) 281-3293, Chicago campus or (847) 619-4850 Schaumburg campus. In order to facilitate graduation on a timely basis, all students should see an advisor each semester. Any course waivers or substitutions should be approved in writing and placed in the student’s file both in the College and the Registrar’s Office.

Student services

The Heller College of Business is committed to the success of our students. We offer internships, mentoring programs and student professional development worksheets in order to emphasize the focus on learning through the classroom and applying knowledge and theory gained in the real world.

Internship opportunities

Well-qualified juniors and seniors may be eligible for internship positions at local firms. These internships provide practical professional experience to complement classroom learning. Students are encouraged to look for opportunities on their own, and the Office of Career Development can also help with internship placement. Academic credit for these internships may be available, so please consult with your adviser. In the Heller College of Business, up to a maximum of six credits are allowed for internships. Credits may be used for free elective credit.

Career Services

The Heller College of Business offers a variety of career services to help students land great jobs during or after completing their academic programs. We host a business career fair each fall to match the standard business recruiting cycle. At the career fair we host numerous employers from various industries recruiting for full-time, part-time, and internship job opportunities. Additionally, we also host on-campus and virtual corporate presentations from firms who are actively recruiting HCB students. Finally, our Office of Career Development hosts a general career fair each Spring, as well as manages a jobs board where firms can post job openings year-round.

Professional development workshops

The Heller College of Business provides many professional development workshops throughout the academic year at both campuses. Topics that are covered include: resume building and cover letter writing, the perfect elevator pitch, Excel for business basics and advanced, financial planning, survival skills for the corporate world and much more.

Accounting, BSBA

The Accounting program is designed to offer students the opportunity to study traditional and contemporary areas of accounting. The program offers a wide variety of courses that expose students to both established accounting standards and emerging accounting issues.

The Accounting program:

- Provides Business Administration and liberal arts students with an understanding of the development and use of accounting records and statements, budgeting funds, and cash flow analysis.
• Makes available to non-Accounting Business Administration majors the Accounting courses needed to strengthen their fields of specialization.
• Students interested in accounting as a profession will find the courses necessary to prepare them for work as internal or external auditors, cost accountants, staff accountants, comptrollers and public accountants, or for positions in governmental and not-for-profit agencies and institutions.

Requirements
Six courses (18 credit hours) of upper-level Accounting courses must be completed with grades of C- or higher for the Accounting major, with an average of at least 2.0.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>ACCT 304</td>
<td>INTERMEDIATE ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 305</td>
<td>INTERMEDIATE ACCOUNTING II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 307</td>
<td>INCOME TAX LAW AND PROCEDURE</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 313</td>
<td>COST &amp; MANAGERIAL ACCOUNTING</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 330</td>
<td>PRINCIPLES OF AUDITING</td>
<td>3</td>
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</table>

Electives
One 300-level Accounting (ACCT) elective

General Education, University Writing Requirement, and Electives
Courses to total 120

Business Requirements
Complete the Business Requirements

Total Credit Hours

CORE Requirements (General Education)
These quantitative requirements also apply to degrees in the College of Business:

• Students may apply no more than 60 credit hours of 100-level courses toward the degree.
• Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
• Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
• Students may transfer in no more than 70 credit hours from community colleges.
• Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
• Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
• Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Mathematics
MATH 110 QUANTITATIVE LITERACY

Science
2 Natural Science (including lab)

Social Sciences
3 Social Sciences (can include ECON 101, ECON 102, ECON 234)

Experiential Learning
6 credits from coursework categorized as Experiential Learning

Total Credit Hours

1 First-Year Success is required of freshmen with less than 12 hours in their first semester at RU. Transfer Success is required of all transfer students with less than 90 hours.
2 Ideas across Disciplines is required of all new students with less than 30 hours. It should be taken in a student’s second semester at Roosevelt. ENG 101 is a prerequisite. Ideas across Disciplines courses cannot “double-dip” with Humanities or Social Science requirements.
3 Experiential Learning courses can “double-dip” with major requirements/electives or any CORE requirement (but cannot “triple-dip” as all three). Transfer students who enter with 60 or more hours are required to take only 1 Experiential Learning course. Transfer equivalencies for Experiential Learning courses from other institutions can be evaluated by the Provost’s office and program heads upon request.
4 Grade of C- or better required
5 Higher-level mathematics may be substituted for MATH 110 QUANTITATIVE LITERACY.
6 Grade of C- or better required in the Math course
7 Required for all freshmen.
8 Required for all Business majors other than Transfer students.

Mathematical preparation
Quantitative skills are critical for the academic study of business. This is especially true for accounting and finance majors. For all students, required business classes such as FIN 311 PRINCIPLES OF FINANCE and MGMT 300 OPERATIONS MANAGEMENT are mathematically based. In order to complete the degree on a timely basis, students are required to take mathematical requirements, MATH 110 QUANTITATIVE LITERACY, ECON 234 ELEMENTARY STATISTICS, and any developmental courses required by the RUA) in the first semester and in each following semester until these requirements are completed.
Business requirements

Standards

All Business courses taken by Business majors and minors must be satisfied with a grade of C- or better. A 300-level business elective is substituted for the international perspective course if an international course is in the major. MGMT 380 BUSINESS POLICY AND STRATEGY must be taken at Roosevelt and passed with a grade of C- or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
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<tr>
<td>ACCT 211</td>
<td>PRINCIPLES OF ACCOUNTING II</td>
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</tr>
<tr>
<td>BLAW 201</td>
<td>BUSINESS LAW</td>
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</table>

International Perspective

Select one of the following:
- ACCT 337 INTERNATIONAL ACCOUNTING
- FIN 354 INTERNATIONAL FINANCIAL ANALYSIS
- MGMT 360 SURVEY OF INTERNATIONAL BUSINESS
- MKTG 362 INTERNATIONAL MARKETING STRATEGIES

Junior/Senior Requirements

- BCOM 301 BUSINESS COMMUNICATIONS
- FIN 311 PRINCIPLES OF FINANCE
- INFS 330 MANAGEMENT INFORMATION SYSTEMS
- MGMT 300 OPERATIONS MANAGEMENT
- MGMT 308 ETHICAL LEADERSHIP AND CORPORATE SOCIAL RESPONSIBILITY
- MGMT 358 ORGANIZATIONAL BEHAVIOR
- MGMT 380 BUSINESS POLICY AND STRATEGY
- MKTG 302 PRINCIPLES OF MARKETING

Total Credit Hours 36

1 Grade of C- or better required.
2 Fulfills experiential general education requirement.

Total Minimum Credit Hours for BSBA

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
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<td>Business or Non-Business Electives</td>
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<td>General Business Requirements</td>
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<td>Major Requirements - minimum of</td>
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<td>Total Credit Hours</td>
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</table>

The last 30 hours of coursework must be completed at Roosevelt University.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
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<td>IDEAS ACROSS DISCIPLINES</td>
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<td></td>
<td>BIOL 111 or 112</td>
<td>4</td>
<td>Humanities #1</td>
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<td>MATH 110</td>
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<td>General Elective</td>
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<th>Spring</th>
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<td>ACCT 210</td>
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<td>BLAW 201</td>
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<td>FIN 203</td>
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<td></td>
<td>HUMANITIES #2</td>
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<td>ECON 234</td>
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<td>PHYS SCIENCE</td>
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<td>HUMANITIES #3</td>
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<table>
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<th>Spring</th>
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<tr>
<td></td>
<td>MGMT 308</td>
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<td>ACCT 305</td>
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<td></td>
<td>MGMT 358</td>
<td>3</td>
<td>FIN 311, MGMT 300, or MKTG 302</td>
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<td>INFS 330</td>
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<td>ACCT 313, 307, or ACCT 3XX</td>
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<td>ACCT 304</td>
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<td>FIN 311, MGMT 300, or MKTG 302</td>
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<td>General Elective</td>
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<td>ACCT 330</td>
<td>3</td>
<td>MGMT 380</td>
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<td></td>
<td>FIN 311, MGMT 300, or MKTG 302</td>
<td>3</td>
<td>ACCT 313 or ACCT 3XX</td>
<td>3</td>
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<td></td>
<td>ACCT 313, 307, or ACCT 3XX</td>
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<td>ACCT 337, FIN 354, MGMT 360, or MKTG 362</td>
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<td>General Elective</td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>

Total Credit Hours 120

1 Or course towards an optional Minor.
2 Satisfies CORE Experiential Learning requirement.
3 Any course at the 300 level within the discipline.
4 Internship (ACCT 398) recommended.
5 One Natural Science course must have a lab.
6 Experiential Learning class must be 200/300 level and satisfies CORE Experiential Learning requirement.
Finance, BSBA

This program has been designed to offer students the opportunity to major in both traditional and emerging financial fields. Course offerings give students a broad exposure to contemporary issues in the financial world. Courses in finance have been designed to meet the following objectives:

• Teach the concepts and skills necessary to provide funds for a business and to control, plan, and evaluate the flow of funds through the enterprise.
• Provide advanced education in business finance to those seeking employment in corporate finance, banking, securities exchanges, and personal financial planning.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FIN 301</td>
<td>MONEY AND BANKING</td>
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<td>FIN 312</td>
<td>CORPORATE FINANCE</td>
<td>3</td>
</tr>
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<td>FIN 321</td>
<td>INVESTMENTS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 352</td>
<td>FINANCIAL STATEMENT ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 354</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 383</td>
<td>FINANCIAL MARKETS AND INSTITUTIONS</td>
<td></td>
</tr>
<tr>
<td>FIN 385</td>
<td>BUSINESS PROBLEMS IN FINANCE</td>
<td></td>
</tr>
<tr>
<td>FIN 387</td>
<td>DERIVATIVE SECURITIES</td>
<td></td>
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<tr>
<td>ECON 323</td>
<td>PRICE THEORY</td>
<td></td>
</tr>
</tbody>
</table>

General Education, University Writing Requirement, and Electives

Courses to total 120 66

Business Requirements

Complete the Business Requirements 36

Total Credit Hours 123

1 Other courses may be substituted with prior written consent.

CORE Requirements (General Education)

These quantitative requirements also apply to degrees in the College of Business:

• Students may apply no more than 60 credit hours of 100-level courses toward the degree.
• Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
• Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
• Students may transfer in no more than 70 credit hours from community colleges.
• Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
• Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
• Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Mathematical preparation
Quantitative skills are critical for the academic study of business. This is especially true for accounting and finance majors. For all
students, required business classes such as FIN 311 PRINCIPLES OF FINANCE and MGMT 300 OPERATIONS MANAGEMENT are mathematically based. In order to complete the degree on a timely basis, students are required to take mathematical requirements, MATH 110 QUANTITATIVE LITERACY, ECON 234 ELEMENTARY STATISTICS, and any developmental courses required by the RUAA in the first semester and in each following semester until these requirements are completed.

Business requirements

Standards

All Business courses taken by Business majors and minors must be satisfied with a grade of C- or better. A 300-level business elective is substituted for the international perspective course if an international course is in the major. MGMT 380 BUSINESS POLICY AND STRATEGY must be taken at Roosevelt and passed with a grade of C- or higher.

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Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

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<th>Spring</th>
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<tbody>
<tr>
<td>FYS 101</td>
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<td>ENG 102</td>
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<tr>
<td>ENG 101</td>
<td>3</td>
<td>IDEAS ACROSS DI</td>
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<td>BADM 101</td>
<td>3</td>
<td>ECON 101</td>
<td>3</td>
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<td>BIO 111 or 112</td>
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<td>Humanities #1</td>
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<td>MATH 110</td>
<td>3</td>
<td>General Elective</td>
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<td>ACCT 210</td>
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<td>ECON 102</td>
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<td>BLAW 201</td>
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<td>FIN 203</td>
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<td>HUMANITIES #2</td>
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<td>PHYS SCIENCE</td>
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<th>Year 3</th>
<th>Fall</th>
<th>Credit Hours</th>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>MGMT 308</td>
<td>3</td>
<td>MGMT 300 or MKTG 302</td>
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<td>MGMT 358</td>
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<td>FIN 352, 354, 383, 385, 387, or ECON 323</td>
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<td>INFS 330</td>
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<td>FIN 312 or 321</td>
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<tr>
<td>FIN 311</td>
<td>3</td>
<td>ACCT 337, FIN 354, MGMT 360, or MKTG 362</td>
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<tr>
<td>FIN 301</td>
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<th>Spring</th>
<th>Credit Hours</th>
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<tr>
<td>MGMT 300 or MKTG 302</td>
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<td>FIN 312 or 321</td>
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<td>FIN 352, 354, 383, 385, 387, or ECON 323</td>
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<td>FIN 352, 354, 383, 385, 387, or ECON 323</td>
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<td>General Elective</td>
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</table>

The last 30 hours of coursework must be completed at Roosevelt University.
1 Or course towards an optional Minor.
2 Satisfies CORE Experiential Learning requirement.
3 Select one of the following.
4 Internship (FIN 398) recommended.
5 One Natural Science course must have a lab.
6 Experiential Learning class must be 200/300 level and satisfies CORE Experiential Learning requirement.
7 Select one of the following to fulfill Finance requirement.

Finance Honors Track

The Finance Honors Track has been designed to offer select students the opportunity to undergo a rigorous academic training in the field of finance and participate in the various professional development and experiential learning opportunities to become successful in their professional careers.

A Business student who wishes to take a Finance minor must take 18 credit hours in finance total.

Students enrolled in the program are required to take the honors sections of the following finance courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FIN 311</td>
<td>PRINCIPLES OF FINANCE 1</td>
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<td>FIN 312</td>
<td>CORPORATE FINANCE</td>
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<td>FIN 315</td>
<td>SPEC. TOP IN RESEARCH METHODS</td>
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<td>FIN 321</td>
<td>INVESTMENTS</td>
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<td>FIN 387</td>
<td>DERIVATIVE SECURITIES</td>
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</tr>
<tr>
<td>FIN 399</td>
<td>THESIS:CCCF FIN HONORS TRACK</td>
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<tr>
<td>Select one of the following: 2</td>
<td></td>
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<tr>
<td>FIN 301</td>
<td>MONEY AND BANKING</td>
<td>3</td>
</tr>
<tr>
<td>FIN 354</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
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<td>FIN 383</td>
<td>FINANCIAL MARKETS AND INSTITUTIONS</td>
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<tr>
<td>FIN 385</td>
<td>BUSINESS PROBLEMS IN FINANCE</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 21

1 Required course for all business majors (part of business requirements)
2 Fulfill the requirements for finance majors.

CORE Requirements (General Education)

These quantitative requirements also apply to degrees in the College of Business:

- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.

- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

<table>
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<th>Code</th>
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<tr>
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<td>First Year Success Course or Transfer Success Course</td>
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<td>BADM 101</td>
<td>INTRODUCTION TO BUSINESS</td>
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<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE 1</td>
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<td>or TRS 101 TRANSFER SUCCESS 1</td>
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Communication Requirement

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<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
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<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
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<tr>
<td>BCOM 301</td>
<td>BUSINESS COMMUNICATIONS</td>
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</table>

Ideas Across Disciplines

3 credits in coursework categorized as Ideas. 2

Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Speech, and Women's and Gender Studies

Mathematics

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY</td>
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</table>

Science

2 Natural Science (including lab) 7

Social Sciences

3 Social Sciences (can include ECON 101, ECON 102, ECON 234) 9

Experiential Learning

6 credits from coursework categorized as Experiential Learning 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>FIN 203</td>
<td>PERSONAL FINANCE</td>
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Total Credit Hours 50

1 First-Year Success is required of freshmen with less than 12 hours in their first semester at RU. Transfer Success is required of all transfer students with less than 90 hours.
2 Ideas across Disciplines is required of all new students with less than 30 hours. It should be taken in a student’s second semester at Roosevelt. ENG 101 is a prerequisite. Ideas across Disciplines courses cannot “double-dip” with Humanities or Social Science requirements.
3 Experiential Learning courses can “double-dip” with major requirements/electives or any CORE requirement (but cannot “triple-dip” as all three). Transfer students who enter with 60 or more hours are required to take only 1 Experiential Learning course. Transfer equivalencies for Experiential Learning courses from other institutions can be evaluated by the Provost’s office and program heads upon request.
4 Grade of C- or better required
5 Higher-level mathematics may be substituted for MATH 110 QUANTITATIVE LITERACY.
6 Grade of C- or better required in the Math course
7 Required for all freshmen.
8 Required for all Business majors other than Transfer students.
**Mathematical preparation**

Quantitative skills are critical for the academic study of business. This is especially true for accounting and finance majors. For all students, required business classes such as FIN 311 PRINCIPLES OF FINANCE and MGMT 300 OPERATIONS MANAGEMENT are mathematically based. In order to complete the degree on a timely basis, students are required to take mathematical requirements, MATH 110 QUANTITATIVE LITERACY, ECON 234 ELEMENTARY STATISTICS, and any developmental courses required by the RUA) in the first semester and in each following semester until these requirements are completed.

**Business requirements**

**Standards**

All Business courses taken by Business majors and minors must be satisfied with a grade of C- or better. A 300-level business elective is substituted for the international perspective course if an international course is in the major. MGMT 380 BUSINESS POLICY AND STRATEGY must be taken at Roosevelt and passed with a grade of C- or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 211</td>
<td>PRINCIPLES OF ACCOUNTING II</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 201</td>
<td>BUSINESS LAW I</td>
<td>3</td>
</tr>
</tbody>
</table>

**International Perspective**

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT 337</td>
<td>INTERNATIONAL ACCOUNTING</td>
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<tr>
<td>FIN 354</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
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<tr>
<td>MGMT 360</td>
<td>SURVEY OF INTERNATIONAL BUSINESS</td>
<td>3</td>
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<tr>
<td>MKTG 362</td>
<td>INTERNATIONAL MARKETING STRATEGIES</td>
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**Junior/Senior Requirements**

<table>
<thead>
<tr>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>BCOM 301</td>
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<tr>
<td>FIN 311</td>
<td>PRINCIPLES OF FINANCE</td>
<td>3</td>
</tr>
<tr>
<td>INFS 330</td>
<td>MANAGEMENT INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 300</td>
<td>OPERATIONS MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 308</td>
<td>ETHICAL LEADERSHIP AND CORPORATE SOCIAL RESPONSIBILITY</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 358</td>
<td>ORGANIZATIONAL BEHAVIOR</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 380</td>
<td>BUSINESS POLICY AND STRATEGY</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 302</td>
<td>PRINCIPLES OF MARKETING</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours**

36

1. Grade of C- or better required.
2. Fulfills experiential general education requirement.

**Total Minimum Credit Hours for BSBA**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Business or Non-Business Electives</td>
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<td>16</td>
</tr>
<tr>
<td>General Business Requirements</td>
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<td>36</td>
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<tr>
<td>General Education Requirements</td>
<td></td>
<td>50</td>
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<tr>
<td>Major Requirements - minimum of</td>
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<tr>
<td>Total Credit Hours</td>
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<td>120</td>
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</table>

The last 30 hours of coursework must be completed at Roosevelt University.

A Business student who wishes to take a Finance minor must take 15 credit hours as opposed to the normal requirement of 12 credit hours in finance. However, students enrolled in the Honors Track are required to complete 18 credit hours of finance honors courses to fulfill the finance minor requirements.

Students enrolled in the program are required to take the honors sections of the following finance courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 311</td>
<td>PRINCIPLES OF FINANCE</td>
<td>3</td>
</tr>
<tr>
<td>FIN 312</td>
<td>CORPORATE FINANCE</td>
<td>3</td>
</tr>
<tr>
<td>FIN 315</td>
<td>SPEC. TOP. IN RESEARCH METHODS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 321</td>
<td>INVESTMENTS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 387</td>
<td>DERIVATIVE SECURITIES</td>
<td>3</td>
</tr>
<tr>
<td>FIN 399</td>
<td>THESIS:CCCF FIN HONORS TRACK</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours

18

1. Required Course

A non-business student selected for the Finance Honors Track must take 30 credit hours as opposed to the normal requirement of 21 credit hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ECON 101</td>
<td>PRINCIPLES OF ECONOMICS I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>PRINCIPLES OF ECONOMICS II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 211</td>
<td>PRINCIPLES OF ACCOUNTING II</td>
<td>3</td>
</tr>
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<td>FIN 311</td>
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<td>3</td>
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<tr>
<td>FIN 321</td>
<td>INVESTMENTS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 387</td>
<td>DERIVATIVE SECURITIES</td>
<td>3</td>
</tr>
<tr>
<td>FIN 399</td>
<td>THESIS:CCCF FIN HONORS TRACK</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours

30

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

**Year 1**

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>FYS 101 3</td>
<td>ENG 102 3</td>
</tr>
<tr>
<td>ENG 101 3</td>
<td>3 Ideas Across Disciplines 3</td>
</tr>
<tr>
<td>BADM 101 3</td>
<td>3 ECON 101 3</td>
</tr>
<tr>
<td>BIOL 111 or 112 4</td>
<td>4 Humanities #1 3</td>
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<tr>
<td>MATH 110 3</td>
<td>3 General Elective 1</td>
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</table>

**Year 2**

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 210 3</td>
<td>ACCT 211 3</td>
</tr>
</tbody>
</table>
ECON 102 3 BCOM 301 3
BLAW 201 3 FIN 203 3
PHYS Science 3 ECON 234 3
General Elective 3 Humanities # 2 3

Year 3
Fall Credit Hours Spring Credit Hours
MGMT 308 3 MGMT 300 or MKTG 302 3
MGMT 358 3 FIN 312 3
INFS 330 3 FIN 315 3
FIN 311 3 Experiential Learning #2 3
FIN 301, 354, 383, or 385 3 General Elective 1 3
General Elective 4 1

Year 4
Fall Credit Hours Spring Credit Hours
MGMT 300 or MKTG 302 3 MGMT 380 3
FIN 321 3 FIN 399 3
FIN 387 3 General Elective 1 3
General Elective 1 3 General Elective 1 3
General Elective 1 3 GENERAL ELECTIVE 1 3

Total Credit Hours 120

1 Or course towards an optional Minor.
2 Satisfies CORE Experiential Learning requirement.
3 Any course at the 300 level within the discipline.
4 Internship (FIN 398) recommended.
5 One Natural Science course must have a lab.
6 Experiential Learning class must be 200/300 level and satisfies CORE Experiential Learning requirement.

The hospitality industry is a major employer in the Chicago area and throughout the world. Excellent careers are available for those with academic training, work experience, and technology skills, all of which are developed in Roosevelt University’s programs. A Roosevelt degree in hospitality and tourism management provides students with a valuable employment and career advantage.

Faculty members are committed to students and their professional growth as they integrate classroom study with the lively metropolitan workplace. Program participants may gain experience through professional partnerships with leading hotels, restaurants, meeting and convention facilities, associations, destination marketing and tourism offices and others.

Manfred Steinfeld is the generous benefactor of Roosevelt University’s School of Hospitality and Tourism Management. The program values Mr. Steinfeld’s knowledge, experience, and generosity.

The Bachelor of Science in Hospitality and Tourism Management (BSHTM)

The BSHTM is a 120-credit hour undergraduate degree program designed for students of any age who want to pursue a career in hospitality. The program requires successful completion of 54 credit hours of study in hospitality management courses; the University’s general education course requirements in humanities, social sciences, and natural sciences; and 30 credit hours of elective courses.

All Hospitality majors are advised by the department and can develop close, mentoring relationships with our faculty from their first semester at Roosevelt.

Freshmen

Traditional-aged freshmen enroll in Hospitality major courses from the first semester so there is no delay in developing a connection to the major field, area of focus, and chosen career path.

Transfer Students

The BSHTM degree allows for transfer credits from community college Hospitality programs as well as transfer from other programs and majors. Except for HOSM 290 THE ART OF RESEARCH, DATA AND ANALYSIS IN HOSPITALITY AND TOURISM, which must be completed at Roosevelt University, 200-level background hospitality courses may be completed either at Roosevelt or through acceptable transfer work from an approved community college.

Request Further Information

To receive further information about the Bachelor of Science in Hospitality & Tourism Management, please contact the Assistant Dean of School of Hospitality and Tourism Management.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSM 201</td>
<td>INTRODUCTION TO THE HOSPITALITY INDUSTRY</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 201</td>
<td>BUSINESS LAW I</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 210</td>
<td>FRONT OFFICE MANAGEMENT</td>
<td>3</td>
</tr>
</tbody>
</table>

Hospitality and Tourism Management, BSHTM

The Manfred Steinfeld School of Hospitality and Tourism Management: World Class Education in a World-Class City

No better place exists to learn this industry than the Chicago metropolitan area with its wealth of world-class hotels and restaurants and its rich blend of ethnic cultures and cuisines, arts and entertainment, sports and recreation. With offices overlooking several of Chicago’s major tourism destinations, the School offers an undergraduate program and the first graduate program in Illinois preparing students for management and leadership careers in the hospitality and tourism industry.

Roosevelt’s Hospitality program prepares students in the following concentration areas: lodging management; food and beverage management; meeting, events and exhibition management; sports management; and tourism administration. Other subject areas include casino and club management.
or HOSM 231 INTRODUCTION TO MEETING AND EVENT MANAGEMENT

HOSM 230 FOOD AND BEVERAGE MANAGEMENT 3
HOSM 290 THE ART OF RESEARCH, DATA AND ANALYSIS IN HOSPITALITY AND TOURISM 3
HOSM 300 OPERATIONS ANALYSIS FOR THE HOSPITALITY INDUSTRY 3
HOSM 311 ORGANIZATIONAL DEVELOPMENT FOR HOSPITALITY 3
HOSM 350 ADVANCED MARKETING FOR THE HOSPITALITY INDUSTRY 3
HOSM 399 HOSPITALITY MANAGEMENT SENIOR PROJECT 3
HRM 311 INTRODUCTION TO HUMAN RESOURCE MANAGEMENT 3
MKTG 302 PRINCIPLES OF MARKETING 3

Electives
Select seven 300-level HOSM electives: recommend one concentration from list below

CORE Requirements (General Education Requirements for the BSHTM)

Mathematics
MATH 110 QUANTITATIVE LITERACY 3

Humanities and Fine and Performing Arts
Select three courses in Humanities 9

Science
2 Natural Science (including lab) 7

Social Sciences
3 Social Sciences (can include ECON 101, ECON 102, ECON 234) 9

Ideas Across Disciplines
3 credits in coursework categorized as Ideas. 3

First Year Success Course or Transfer Success Course
FYS 101 FIRST YEAR SUCCESS COURSE 1

Communication Requirement
ENG 101 COMPOSITION I: CRITICAL READING & WRITING 1 3
ENG 102 COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH 1 3
BADM 101 INTRODUCTION TO BUSINESS 3

Total Credit Hours 120

1 Minimum acceptable grade is C-

Hotel/Lodging Management Concentration

Requirements
Nine (9) credit hours; see list below; plus prerequisite HOSM 210 FRONT OFFICE MANAGEMENT.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSM 302</td>
<td>HOTEL OPERATIONS</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 303</td>
<td>HOTEL DEVELOPMENT AND OPENING</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 304</td>
<td>FACILITIES MANAGEMENT &amp; ENGINEERING</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 9

Meeting and Event Management Concentration

Requirements
Nine (9) credit hours; see list below; plus, prerequisite HOSM 231 INTRODUCTION TO MEETING AND EVENT MANAGEMENT.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSM 315</td>
<td>APPLICATIONS &amp; TECHNIQUES OF MEETING &amp; EVENT MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 317</td>
<td>ISSUES &amp; TRENDS IN MEETING &amp; EVENT MANAGEMENT</td>
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Select one of the following:

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<tr>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>HOSM 319</td>
<td>HOSPITALITY FACILITIES MARKETING, SALES, AND SERVICE</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 323</td>
<td>EXHIBITION MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>HOSM 324</td>
<td>SPECIAL EVENTS</td>
<td></td>
</tr>
<tr>
<td>HOSM 329</td>
<td>DESTINATION CHICAGO: MANAGING GROUP TOURS</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 9

Restaurant/Food Service Management Concentration

Requirements
Nine (9) credit hours required; see list below; plus, prerequisite HOSM 230 FOOD AND BEVERAGE MANAGEMENT.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSM 330</td>
<td>FOOD &amp; BEVERAGE CONTROLS</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 335</td>
<td>RESTAURANT/FOOD SERVICE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 337</td>
<td>WINE, LIQUORS, AND BEVERAGE MANAGEMENT (Must be 21 yo to enroll)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 9

Other Requirements for the BSHTM Degree

- 200-level courses: At least 60 credit hours must be completed in courses at the 200 level or above.
- 300-level courses: A minimum of 15 credit hours of 300-level hospitality management course work must be completed at Roosevelt University.
- Minimum grades in the major sequence: The core courses, HOSM 300 OPERATIONS ANALYSIS FOR THE HOSPITALITY INDUSTRY, HOSM 311 ORGANIZATIONAL DEVELOPMENT FOR HOSPITALITY,

- HOSM 350 ADVANCED MARKETING FOR THE HOSPITALITY INDUSTRY, and HOSM 399 HOSPITALITY MANAGEMENT SENIOR PROJECT, must be passed with grades of C or higher. HOSM 290 must be passed with a grade of C- or higher. Two D grades are allowed in the remainder of the major sequence.
- Minimum acceptable grade point average of classes taken at Roosevelt University is 2.0.
- Completion of the University Writing Requirement is based on the Roosevelt University Assessment placement test.
Tourism Administration Concentration

Requirements
Nine (9) credit hours required; see list below; plus, prerequisite HOSM 201 INTRODUCTION TO THE HOSPITALITY INDUSTRY.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSM 321</td>
<td>MANAGING TOURISM, FESTS, EVENTS, &amp; MORE</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 325</td>
<td>INTERNATIONAL TOURISM</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 326</td>
<td>URBAN TOURISM ADMINISTRATION</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 328</td>
<td>DESTINATION MARKETING</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 9

* No transfer credit allowed. Minimum grade of C in all classes to qualify. No waivers or substitutions.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

**Human Resource Management, BSBA**

The objective of the Human Resource Management BSBA program is for the student to gain a full understanding of the human resource function, including recruitment, selection, placement, training, and career development; employee and labor relations; performance measurement; and resource planning. Students will learn how legal issues, human behavior, labor relations, and diversity impact the modern organization.

Other courses expand on substantive areas that are briefly covered in the introductory Human Resource Management course. Psychological and sociological principles, statistical techniques, and practical business economics are blended to produce effective knowledge and skill for the specialist in Human Resource Management.

Other departments in the university, such as Economics and Psychology, offer courses that enable students in Human Resource Management to enhance their study of the employer-employee relationship. There is no substitute for experience in dealing with people in a work situation, and students are advised to acquire such experience through part-time work or internships.

**Requirements**
Six courses (18 credit hours) are required for the Human Resource Management major. MGMT 358 ORGANIZATIONAL BEHAVIOR, MGMT 300 OPERATIONS MANAGEMENT, and MGMT 380 BUSINESS POLICY AND STRATEGY cannot be used to fulfill major requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>HRM 311</td>
<td>INTRODUCTION TO HUMAN RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HRM 313</td>
<td>STRATEGIC COMPENSATION MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HRM 321</td>
<td>EMPLOYMENT TECHNIQUES</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 398</td>
<td>ORGANIZATIONAL DEVELOPMENT</td>
<td>3</td>
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</tbody>
</table>

Electives
Two electives at the 300 level in Human Resource Management (HRM) or Management (MGMT)
General Education, University Writing Requirement, and Electives

Courses to total 120 66

Business Requirements

Complete the Business Requirements 36

Total Credit Hours 120

CORE Requirements (General Education)

These quantitative requirements also apply to degrees in the College of Business:

- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply at least 18 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must have a grade point average of 2.0 or higher to graduate.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BADM 101</td>
<td>INTRODUCTION TO BUSINESS</td>
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</tr>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE 1</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
</tbody>
</table>

Communication Requirement

ENG 101  COMPOSITION I: CRITICAL READING & WRITING 4 3

ENG 102  COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH 4 3

BCOM 301  BUSINESS COMMUNICATIONS 3 3

Ideas Across Disciplines

3 credits in coursework categorized as Ideas 2 3

Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Speech, and Women’s and Gender Studies 9

Mathematics

MATH 110  QUANTITATIVE LITERACY 3 3

Science

2 Natural Science (including lab) 7 7

Social Sciences

3 Social Sciences (can include ECON 101, ECON 102, ECON 234) 4 9

Experiential Learning

6 credits from coursework categorized as Experiential Learning 3 3

FIN 203  PERSONAL FINANCE 3 50

1 First-Year Success is required of freshmen with less than 12 hours in their first semester at RU. Transfer Success is required of all transfer students with less than 90 hours.

2 Ideas across Disciplines is required of all new students with less than 30 hours. It should be taken in a student’s second semester at Roosevelt. ENG 101 is a prerequisite. Ideas across Disciplines courses cannot “double-dip” with Humanities or Social Science requirements.

3 Experiential Learning courses can “double-dip” with major requirements/electives or any CORE requirement (but cannot “triple-dip” as all three). Transfer students who enter with 60 or more hours are required to take only 1 Experiential Learning course.

Transfer equivalencies for Experiential Learning courses from other institutions can be evaluated by the Provost’s office and program heads upon request.

4 Grade of C- or better required

5 Higher-level mathematics may be substituted for MATH 110 QUANTITATIVE LITERACY.

6 Grade of C- or better required in the Math course

7 Required for all Business majors other than Transfer students.

Mathematical preparation

Quantitative skills are critical for the academic study of business. This is especially true for accounting and finance majors. For all students, required business classes such as FIN 311 PRINCIPLES OF FINANCE and MGMT 300 OPERATIONS MANAGEMENT are mathematically based. In order to complete the degree on a timely basis, students are required to take mathematical requirements, MATH 110 QUANTITATIVE LITERACY, ECON 234 ELEMENTARY STATISTICS, and any developmental courses required by the RUA in the first semester and in each following semester until these requirements are completed.

Business requirements

Standards

All Business courses taken by Business majors and minors must be satisfied with a grade of C- or better. A 300-level business elective is substituted for the international perspective course if an international course is in the major. MGMT 380 BUSINESS POLICY AND STRATEGY must be taken at Roosevelt and passed with a grade of C- or higher.

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<td>ACCT 210</td>
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</tr>
<tr>
<td>ACCT 211</td>
<td>PRINCIPLES OF ACCOUNTING II 1</td>
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<tr>
<td>BLAW 201</td>
<td>BUSINESS LAW I 1</td>
<td>3</td>
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International Perspective

Select one of the following: 3

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<tbody>
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<td>INTERNATIONAL ACCOUNTING</td>
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</tr>
<tr>
<td>FIN 354</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>MGMT 360</td>
<td>SURVEY OF INTERNATIONAL BUSINESS</td>
<td></td>
</tr>
<tr>
<td>MKTG 362</td>
<td>INTERNATIONAL MARKETING STRATEGIES</td>
<td></td>
</tr>
</tbody>
</table>

Junior/Senior Requirements
Managers are responsible for planning, organizing, directing, controlling, and representing a business or organization to many constituencies. It is essential that a manager possess an understanding of human relations, skill in directing group efforts, and knowledge of the functional aspects of business operations. Therefore, it is particularly important for managers to develop leadership skills that will help them to maintain productive and cooperative relationships with colleagues and subordinates. In addition, managers need to possess strong analytical skills and the ability to think critically about complex problems. They must also be able to communicate effectively with others and to lead and motivate their teams to achieve their goals. In order to prepare students for careers as managers, the Management curriculum at Roosevelt University is designed to provide them with a strong foundation in these areas. The curriculum includes courses in human resources management, organizational behavior, and leadership development. Students also have the opportunity to gain practical experience through internships and other experiential learning opportunities. By the end of the program, students should be well-prepared to take on leadership roles in a variety of settings.
business, such as production, marketing, finance, human resources management, and accounting. Students majoring in management study the many areas in which managers must operate as well as topics directly related to managerial roles.

Requirements

MGMT 300 OPERATIONS MANAGEMENT, MGMT 358 ORGANIZATIONAL BEHAVIOR, and MGMT 380 BUSINESS POLICY AND STRATEGY are required core courses and cannot be used to fulfill Management major requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRM 311</td>
<td>INTRODUCTION TO HUMAN RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 398</td>
<td>ORGANIZATIONAL DEVELOPMENT</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Four electives at the 300 level in Management (MGMT) and/or Human Resource Management (HRM)

General Education, University Writing Requirement, and Electives

Courses to total 120

Business Requirements

Complete the Business Requirements 36

Total Credit Hours 120

CORE Requirements (General Education)

These quantitative requirements also apply to degrees in the College of Business:

- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students must transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 101</td>
<td>INTRODUCTION TO BUSINESS 7</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE 1</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
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</table>

Communication Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING 4</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH 4</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 301</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3</td>
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</table>

Mathematics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY</td>
<td>3</td>
</tr>
</tbody>
</table>

Science

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Speech, and Women’s and Gender Studies

Humanities and Fine and Performing Arts

9 credits

Experiential Learning

6 credits from coursework categorized as Experiential Learning

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 203</td>
<td>PERSONAL FINANCE</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 50

First-Year Success is required of freshmen with less than 12 hours in their first semester at RU. Transfer Success is required of all transfer students with less than 90 hours.

Ideas across Disciplines is required of all new students with less than 30 hours. It should be taken in a student’s second semester at Roosevelt. ENG 101 is a prerequisite. Ideas across Disciplines courses cannot “double-dip” with Humanities or Social Science requirements.

Experiential Learning courses can “double-dip” with major requirements/electives or any CORE requirement (but cannot “triple-dip” as all three). Transfer students who enter with 60 or more hours are required to take only 1 Experiential Learning course.

Transfer equivalencies for Experiential Learning courses from other institutions can be evaluated by the Provost’s office and program heads upon request.

Elementary Statistics

Required for all freshmen.

Required for all Business majors other than Transfer students.

Mathematical preparation

Quantitative skills are critical for the academic study of business. This is especially true for accounting and finance majors. For all students, required business classes such as FIN 311 PRINCIPLES OF FINANCE and MGMT 300 OPERATIONS MANAGEMENT are mathematically based. In order to complete the degree on a timely basis, students are required to take mathematical requirements, MATH 110 QUANTITATIVE LITERACY, ECON 234 ELEMENTARY STATISTICS, and any developmental courses required by the RUA in the first semester and in each following semester until these requirements are completed.

Business requirements Standards

All Business courses taken by Business majors and minors must be satisfied with a grade of C- or better. A 300-level business elective is substituted for the international perspective course if an international
course is in the major. MGMT 380 BUSINESS POLICY AND STRATEGY must be taken at Roosevelt and passed with a grade of C- or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Freshman/Sophomore Requirements</td>
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</tr>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I ¹</td>
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</tr>
<tr>
<td>ACCT 211</td>
<td>PRINCIPLES OF ACCOUNTING II ¹</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 201</td>
<td>BUSINESS LAW I ¹</td>
<td>3</td>
</tr>
<tr>
<td>International Perspective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
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<td></td>
</tr>
<tr>
<td>ACCT 337</td>
<td>INTERNATIONAL ACCOUNTING</td>
<td></td>
</tr>
<tr>
<td>FIN 354</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>MGMT 360</td>
<td>SURVEY OF INTERNATIONAL BUSINESS</td>
<td></td>
</tr>
<tr>
<td>MKTG 362</td>
<td>INTERNATIONAL MARKETING STRATEGIES</td>
<td></td>
</tr>
<tr>
<td>Junior/Senior Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCOM 301</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 311</td>
<td>PRINCIPLES OF FINANCE ¹</td>
<td>3</td>
</tr>
<tr>
<td>INFS 330</td>
<td>MANAGEMENT INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 300</td>
<td>OPERATIONS MANAGEMENT ¹</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 308</td>
<td>ETHICAL LEADERSHIP AND CORPORATE SOCIAL RESPONSIBILITY</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 358</td>
<td>ORGANIZATIONAL BEHAVIOR ¹</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 380</td>
<td>BUSINESS POLICY AND STRATEGY ¹,²</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 302</td>
<td>PRINCIPLES OF MARKETING ¹</td>
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</tbody>
</table>

Total Credit Hours 36

¹ Grade of C- or better required.
² Fulfills experiential general education requirement.

Total Minimum Credit Hours for BSBA

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Business or Non-Business Electives</td>
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<td></td>
</tr>
<tr>
<td>General Business Requirements</td>
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<tr>
<td>General Education Requirements</td>
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<tr>
<td>Major Requirements - minimum of</td>
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<tr>
<td>Total Credit Hours</td>
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</tr>
</tbody>
</table>

The last 30 hours of coursework must be completed at Roosevelt University.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>1</td>
<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101</td>
<td>3</td>
<td>IDEAS ACROSS DI</td>
<td>3</td>
</tr>
<tr>
<td>BADM 101</td>
<td>3</td>
<td>ECON 101</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 111 or 112 ⁵</td>
<td>4</td>
<td>Humanities #1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>3</td>
<td>General Elective ¹</td>
<td>3</td>
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<tr>
<td></td>
<td>14</td>
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</tbody>
</table>

### Year 2

<table>
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<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 210</td>
<td>3</td>
<td>ACCT 211</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>3</td>
<td>BCOM 301</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 201</td>
<td>3</td>
<td>FIN 399</td>
<td>3</td>
</tr>
<tr>
<td>PHYSICAL SCIENC</td>
<td>3</td>
<td>ECON 234</td>
<td>3</td>
</tr>
<tr>
<td>Humanities #2</td>
<td>3</td>
<td>Humanities #3</td>
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</tr>
<tr>
<td></td>
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<td></td>
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</tbody>
</table>

### Year 3

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 308</td>
<td>3</td>
<td>FIN 311, MGMT 300, or MKTG 302</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 358</td>
<td>3</td>
<td>MGMT 398, MGMT 3XX, or HRM 3XX³</td>
<td>3</td>
</tr>
<tr>
<td>INFS 330</td>
<td>3</td>
<td>MGMT 398, MGMT 3XX, or HRM 3XX³</td>
<td>3</td>
</tr>
<tr>
<td>HRM 311</td>
<td>3</td>
<td>MGMT 360, ACCT 337, FIN 354, or MKTG 362</td>
<td>3</td>
</tr>
<tr>
<td>FIN 311, MGMT 300, or MKTG 302</td>
<td>3</td>
<td>Experiential Learning #2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>GENERAL ELECTIVE</td>
<td>16</td>
</tr>
</tbody>
</table>

### Year 4

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 311, MGMT 300, or MKTG 302</td>
<td>3</td>
<td>MGMT 380</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 398, MGMT 3XX, or HRM 3XX³</td>
<td>3</td>
<td>MGMT 398, MGMT 3XX, or HRM 3XX³</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 398, MGMT 3XX, or HRM 3XX³</td>
<td>3</td>
<td>General Elective ¹</td>
<td>3</td>
</tr>
<tr>
<td>General Elective ¹</td>
<td>3</td>
<td>General Elective ¹</td>
<td>3</td>
</tr>
<tr>
<td>General Elective ¹</td>
<td>3</td>
<td>General Elective ¹</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Total Credit Hours 120

¹ Or course towards an optional Minor.
² Satisfies CORE Experiential Learning requirement.
³ Any course at the 300 Level within the discipline.
⁴ Internship (MGMT 399) recommended.
⁵ One Natural Science course must have a lab
Marketing, BSBA

Marketing is the process of creating, distributing, promoting, and pricing goods, services, and ideas to facilitate satisfying exchange relationships with customers, and to manage these relationships in ways that benefit the organization and its stakeholders. In essence, the theme of marketing today is to provide products and services that satisfy customers’ needs through a coordinated set of activities that also allows the organization to reach its goals. Managing profitable customer relationships is the main goal of marketing today. At Roosevelt, we strive to deliver the best educational experience in the classroom as we strive toward excellence in research.

Marketing courses stress the relationship between the behavioral and social sciences and the marketing concepts employed by an organization. Students completing the Marketing major may expect to gain positions in industry, not-for-profits, retail institutions, advertising agencies or marketing consulting firms.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKTG 324</td>
<td>SALES MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 331</td>
<td>PRINCIPLES OF ADVERTISING</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 340</td>
<td>MARKETING RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 344</td>
<td>MARKETING STRATEGY &amp; PLANNING</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Two electives in Marketing (MKTG) at the 300 level</td>
<td>6</td>
</tr>
</tbody>
</table>

Business Requirements

Complete the Business Requirements

Total Credit Hours 120

CORE Requirements (General Education)

These quantitative requirements also apply to degrees in the College of Business:

- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

1 First-Year Success is required of freshmen with less than 12 hours in their first semester at RU. Transfer Success is required of all transfer students with less than 90 hours.
2 Ideas across Disciplines is required of all new students with less than 30 hours. It should be taken in a student’s second semester at Roosevelt. ENG 101 is a prerequisite. Ideas across Disciplines courses cannot “double-dip” with Humanities or Social Science requirements.
3 Experiential Learning courses can “double-dip” with major requirements/electives or any CORE requirement (but cannot “triple-dip” as all three). Transfer students who enter with 60 or more hours are required to take only 1 Experiential Learning course. Transfer equivalencies for Experiential Learning courses from other institutions can be evaluated by the Provost’s office and program heads upon request.
4 Grade of C- or better required
5 Higher-level mathematics may be substituted for MATH 110 QUANTITATIVE LITERACY.
6 Grade of C- or better required in the Math course
7 Required for all freshmen.
8 Required for all Business majors other than Transfer students.

Mathematical preparation

Quantitative skills are critical for the academic study of business. This is especially true for accounting and finance majors. For all
students, required business classes such as FIN 311 PRINCIPLES OF FINANCE and MGMT 300 OPERATIONS MANAGEMENT are mathematically based. In order to complete the degree on a timely basis, students are required to take mathematical requirements, MATH 110 QUANTITATIVE LITERACY, ECON 234 ELEMENTARY STATISTICS, and any developmental courses required by the RUA in the first semester and in each following semester until these requirements are completed.

Business requirements

Standards

All Business courses taken by Business majors and minors must be satisfied with a grade of C- or better. A 300-level business elective is substituted for the international perspective course if an international course is in the major. MGMT 380 BUSINESS POLICY AND STRATEGY must be taken at Roosevelt and passed with a grade of C- or higher.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 211</td>
<td>PRINCIPLES OF ACCOUNTING II</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 201</td>
<td>BUSINESS LAW I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 337</td>
<td>INTERNATIONAL ACCOUNTING</td>
<td>3</td>
</tr>
<tr>
<td>FIN 354</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 360</td>
<td>SURVEY OF INTERNATIONAL BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 362</td>
<td>INTERNATIONAL MARKETING STRATEGIES</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 301</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 311</td>
<td>PRINCIPLES OF FINANCE</td>
<td>3</td>
</tr>
<tr>
<td>INFS 330</td>
<td>MANAGEMENT INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 300</td>
<td>OPERATIONS MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 308</td>
<td>ETHICAL LEADERSHIP AND CORPORATE SOCIAL RESPONSIBILITY</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 358</td>
<td>ORGANIZATIONAL BEHAVIOR</td>
<td>3</td>
</tr>
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<td>MGMT 380</td>
<td>BUSINESS POLICY AND STRATEGY</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 302</td>
<td>PRINCIPLES OF MARKETING</td>
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</tr>
<tr>
<td>MGMT 308</td>
<td>BUSINESS POLICY AND STRATEGY</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 308</td>
<td>PRINCIPLES OF MARKETING</td>
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</tr>
<tr>
<td>MKTG 302</td>
<td>PRINCIPLES OF MARKETING</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

1 Grade of C- or better required.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYS 101</td>
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<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 101</td>
<td>3</td>
<td>IDEAS ACROSS DI</td>
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<tr>
<td></td>
<td>BADM 101</td>
<td>3</td>
<td>ECON 101</td>
<td>3</td>
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<tr>
<td></td>
<td>BIOI 111 or 112</td>
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<td>Humanities #1</td>
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<tr>
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<td>MATH 110</td>
<td>3</td>
<td>General Elective</td>
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<td></td>
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<td>2</td>
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</tr>
<tr>
<td></td>
<td>ACCT 210</td>
<td>3</td>
<td>ACCT 211</td>
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<tr>
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<td></td>
<td>BLAW 201</td>
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<td>ECON 301</td>
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<td>PHYSICAL SCIENC</td>
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<td></td>
<td>HUMANITIES #2</td>
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<td>HUMANITIES #3</td>
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<tr>
<td></td>
<td>MGMT 308</td>
<td>3</td>
<td>FIN 311 or 300</td>
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<td>MGMT 358</td>
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<td>MKTG 324 or 331</td>
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<td></td>
<td>INFS 330</td>
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<td>MKTG 340 or MKTG 3XX</td>
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<tr>
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<td>HRM 311</td>
<td>3</td>
<td>ACCT 337 or 354</td>
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<tr>
<td></td>
<td>FIN 311 or 300</td>
<td>3</td>
<td>EXPERIENTIAL LEARNING #2</td>
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<td></td>
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<td>1</td>
<td></td>
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<td>4</td>
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<tr>
<td></td>
<td>FIN 311 or 300</td>
<td>3</td>
<td>MGMT 380</td>
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</tr>
<tr>
<td></td>
<td>MKTG 340 or MKTG 3XX</td>
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<td>MKTG 344 or MKTG 3XX</td>
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<td>MKTG 3XX</td>
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<tr>
<td></td>
<td>15</td>
<td></td>
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</tr>
</tbody>
</table>

Total Credit Hours 120

1 Or course towards an optional Minor.
2 Satisfies CORE Experiential Learning requirement.
3 Any course at the 300 Level within the discipline.
4 Internship (MKTG 398) recommended.
5 One Natural Science course must have a lab.
Organizational Leadership, BAOL

The Bachelor of Arts in Organizational Leadership is a program that provides a cutting-edge, multi-disciplinary approach to leadership issues. OLED courses bring together the latest research in management science, humanities, social sciences, communication arts, technology, and ethics.

The Organizational Leadership (OLED) core courses are available fully online and are eight weeks in length. Some OLED core courses may be offered on campus on occasion, and the general education and minor courses may be offered on campus. Students who successfully complete the program will possess an understanding of themselves, others, and their organizations and will be able to identify a personal leadership style that fits within those contexts. They will also be able to identify necessary leadership skills in given situations and prepare a plan of action for improving organizational capabilities. Students will develop the ability to think critically about decisions in a manner that is socially responsible and responsive to the needs of the organization.

An Organizational Leadership degree leads to careers in consulting, employee development, recruitment, healthcare administration, association management, information management, human resources, labor relations, law enforcement, project management, strategic planning, and training, among others.

Ten courses (30 credit hours) are required for the Organizational Leadership major. Grade of C or higher required in all OLED courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLED 320</td>
<td>INTRODUCTION TO ORGANIZATIONAL COMMUNICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>OLED 325</td>
<td>ORGANIZATIONAL COMMUNICATIONS II</td>
<td>3</td>
</tr>
<tr>
<td>OLED 330</td>
<td>FOUNDATIONS OF ORGANIZATIONAL LEADERSHIP</td>
<td>3</td>
</tr>
<tr>
<td>OLED 335</td>
<td>ORGANIZATIONAL CHANGE</td>
<td>3</td>
</tr>
<tr>
<td>OLED 350</td>
<td>GROUP DYNAMICS &amp; FACILITATION</td>
<td>3</td>
</tr>
<tr>
<td>OLED 365</td>
<td>SOCIAL JUSTICE &amp; DIVERSITY</td>
<td>3</td>
</tr>
<tr>
<td>OLED 370</td>
<td>LEADERSHIP DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>OLED 380</td>
<td>STRATEGY, VISION, &amp; PLANNING</td>
<td>3</td>
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Select two of the following: 6

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>OLED 310</td>
<td>MEDIA OUTLETS: THEORY &amp; PRACTICE</td>
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</tr>
<tr>
<td>OLED 340</td>
<td>PERSUASION &amp; PRESENTATION SKILLS</td>
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<td>OLED 368</td>
<td>ORGANIZATION BEHAVIOR</td>
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<td>OLED 372</td>
<td>ORGANIZATION DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>OLED 375</td>
<td>CONFLICT &amp; NEGOTIATION</td>
<td>3</td>
</tr>
<tr>
<td>OLED 378</td>
<td>POWER &amp; INFLUENCE</td>
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<tr>
<td>OLED 385</td>
<td>SOCIAL MEDIA STRATEGIES</td>
<td>3</td>
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</tbody>
</table>

Minor 18

Total Credit Hours 48

CORE Requirements (General Education)

These quantitative requirements also apply to degrees in the College of Business:

- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

First Year Success Course or Transfer Success Course

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>BADM 101</td>
<td>INTRODUCTION TO BUSINESS</td>
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<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE OR TRANSFER SUCCESS 101</td>
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<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
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Communication Requirement

<table>
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<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING 4</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH 4</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 301</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3</td>
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</tbody>
</table>

Ideas Across Disciplines

3 credits in coursework categorized as Ideas.

Humanities and Fine and Performing Arts

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Speech, and Women’s and Gender Studies

Mathematics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY</td>
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</tr>
</tbody>
</table>

Science

2 Natural Science (including lab)

Social Sciences

3 Social Sciences (can include ECON 101, ECON 102, ECON 234)

Experiential Learning

6 credits from coursework categorized as Experiential Learning

FIN 203 | PERSONAL FINANCE                            | 3            |

Total Credit Hours 50

1 First-Year Success is required of freshmen with less than 12 hours in their first semester at RU. Transfer Success is required of all transfer students with less than 90 hours.

2 Ideas across Disciplines is required of all new students with less than 30 hours. It should be taken in a student’s second semester at Roosevelt. ENG 101 is a prerequisite. Ideas across Disciplines courses cannot “double-dip” with Humanities or Social Science requirements.
Experiential Learning courses can "double-dip" with major requirements/electives or any CORE requirement (but cannot "triple-dip" as all three). Transfer students who enter with 60 or more hours are required to take only 1 Experiential Learning course.

Transfer equivalencies for Experiential Learning courses from other institutions can be evaluated by the Provost's office and program heads upon request.

Grade of C- or better required

Higher-level mathematics may be substituted for MATH 110 QUANTITATIVE LITERACY.

Grade of C- or better required in the Math course

Required for all freshmen.

Required for all Business majors other than Transfer students.

<table>
<thead>
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<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
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<td>General Electives</td>
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<td>Total Credit Hours</td>
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</table>

The last 30 hours of coursework must be completed at Roosevelt University.

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Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<td></td>
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<td></td>
<td>BADM 101</td>
<td>3</td>
<td>Humanities #1</td>
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<td></td>
<td>BIOL 111 or 112</td>
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<td>Social Science #1</td>
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<td></td>
<td>MATH 110</td>
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<td>Physical Science</td>
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<thead>
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<td>BCOM 301</td>
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<td>Humanities #3</td>
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<td>OLED 320</td>
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<td>Social Science #2</td>
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<td>OLED 325</td>
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<td>OLED 350</td>
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<tr>
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<td>Humanities #2</td>
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<td>OLED 335</td>
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<td>General Elective</td>
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<table>
<thead>
<tr>
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<th>Fall</th>
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<th>Spring</th>
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<td>OLED 365</td>
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<td>OLED 370</td>
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<td>Minor Course</td>
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<td>Minor Course</td>
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| Minor Course | 3 | Minor Course | 3 |
| General Elective | 3 | General Elective | 3 |

| Total Credit Hours | 120 |

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<tr>
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<tr>
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<td>OLED Elective</td>
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<td>Minor Course</td>
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<td>Minor Course</td>
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<td>General Elective</td>
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<td>General Elective</td>
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<td>General Elective</td>
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<td>General Elective</td>
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<td>General Elective</td>
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Real Estate, BSBA

Roosevelt University offers an undergraduate level program in Real Estate: a Bachelor of Science in Business Administration with a concentration/major in Real Estate. Students in the Heller College of Business can also include Real Estate as a Minor as part of their BSBA degree with another concentration/major focus.

Real Estate Major students are supported by the Marshall Bennett Institute of Real Estate, which provides mentors, access to internships, scholarship assistance, professional development training and industry forums. The Institute also operates the Urban Retail Professional Development and Research Center with a real estate library, study resources and meeting facilities for Real Estate program faculty and students. More information on the Institute is available on the Marshall Bennett Institute of Real Estate webpage.

About the program

The BSBA-RE program is designed to prepare students for entry-level roles in the real estate industry as the first step to a successful long-term career in the industry. The curriculum provides the academic and practical knowledge necessary to achieve success in a broad range of industry disciplines such as financial analysis, real estate investments, real estate development, finance, research, property and asset management. Specialized elective classes with an interdisciplinary approach combine foundational industry knowledge with practical real estate application.

Requirements

All students looking to pursue a Real Estate Major must apply to the Executive Director of the Marshall Bennett Institute for acceptance into the course program and have a GPA of 3.0 or better upon completion of their 2nd year of studies. Students pursuing a Real Estate Major, will take a total of 21 credit hours in the specialty, and students combining Real Estate, as a Minor, with another concentration will complete a total of 12 credit hours in the specialty. All courses in the Major or Minor must be completed with a grade of ‘C’ or better and all students pursuing the Real Estate Major must maintain a GPA of 3.0 or better.

Seven courses (21 credit hours) of upper-level Real Estate courses must be completed with grades of C or higher for the Real Estate major (Four courses for 12 credit hours for the Real Estate minor), with an average GPA of at least 3.0.
CORE Requirements (General Education)

These quantitative requirements also apply to degrees in the College of Business:

- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

Mathematical preparation
Quantitative skills are critical for the academic study of business. This is especially true for accounting and finance majors. For all students, required business classes such as FIN 311 PRINCIPLES OF FINANCE and MGMT 300 OPERATIONS MANAGEMENT are mathematically based. In order to complete the degree on a timely basis, students are required to take mathematical requirements, MATH 110 QUANTITATIVE LITERACY, and any developmental courses required by the RUA) in the first semester and in each following semester until these requirements are completed.

Business requirements

Standards
All Business courses taken by Business majors and minors must be satisfied with a grade of C- or better. A 300-level business elective is substituted for the international perspective course if an international course is in the major. MGMT 380 BUSINESS POLICY AND STRATEGY must be taken at Roosevelt and passed with a grade of C- or higher.
Code | Title | Credit Hours
--- | --- | ---
**Freshman/Sophomore Requirements**
ACCT 210 | PRINCIPLES OF ACCOUNTING I \(^1\) | 3
ACCT 211 | PRINCIPLES OF ACCOUNTING II \(^1\) | 3
BLAW 201 | BUSINESS LAW I \(^1\) | 3
**International Perspective**
Select one of the following:
ACCT 337 | INTERNATIONAL ACCOUNTING | 3
FIN 354 | INTERNATIONAL FINANCIAL ANALYSIS | 3
MGMT 360 | SURVEY OF INTERNATIONAL BUSINESS | 3
MKTG 362 | INTERNATIONAL MARKETING STRATEGIES | 3
**Junior/Senior Requirements**
BCOM 301 | BUSINESS COMMUNICATIONS | 3
FIN 311 | PRINCIPLES OF FINANCE \(^1\) | 3
INFS 330 | MANAGEMENT INFORMATION SYSTEMS | 3
MGMT 300 | OPERATIONS MANAGEMENT \(^1\) | 3
MGMT 308 | ETHICAL LEADERSHIP AND CORPORATE SOCIAL RESPONSIBILITY | 3
MGMT 358 | ORGANIZATIONAL BEHAVIOR \(^1\) | 3
MGMT 380 | BUSINESS POLICY AND STRATEGY \(^1, 2\) | 3
MKTG 302 | PRINCIPLES OF MARKETING \(^1\) | 3
**Total Credit Hours** | 36

\(^1\) Grade of C- or better required.
\(^2\) Fulfills experiential general education requirement.

### Total Minimum Credit Hours for BSBA

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<th>Code</th>
<th>Title</th>
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<td></td>
<td>Business or Non-Business Electives</td>
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<td>General Business Requirements</td>
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<td></td>
<td>General Education Requirements</td>
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<td>Major Requirements - minimum of</td>
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<td>Total Credit Hours</td>
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</table>

The last 30 hours of coursework must be completed at Roosevelt University.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

#### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>FYS 101</td>
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<td>ENG 102</td>
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<tr>
<td>ENG 101</td>
<td>3</td>
<td>IDEAS ACROSS DI</td>
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<td>BADM 101</td>
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<td>ECON 101</td>
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#### Year 2

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<td>BCOM 301</td>
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<td>PHYSICAL SCIENCE (^5)</td>
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#### Year 3

<table>
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<th>Credit Hours</th>
<th>Spring</th>
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#### Year 4

<table>
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<tr>
<td>MGMT 300 or MKTG 302</td>
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<tr>
<td>ACCT 337, FIN 354, MGMT 360, or MKTG 362</td>
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<td>REES 331</td>
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<td>MGMT 308</td>
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<td>General Elective (^1)</td>
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<td>REES 315, 381, 399, HOSM 350, or FIN 321 (^7)</td>
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<td>GENERAL ELECTIVE (^1)</td>
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<tr>
<td><strong>Total</strong></td>
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</table>

**Total Credit Hours 120**

\(^1\) Or course towards an optional Minor.
\(^2\) Satisfies CORE Experiential Learning requirement.
\(^3\) Any course at the 300 level within the discipline.
\(^4\) Internship recommended.
\(^5\) One Natural Science course must have a lab.
\(^6\) Experiential Learning class must be 200/300 level and satisfies CORE Experiential Learning requirement.
\(^7\) REES Elective

### Social Entrepreneurship, BSBA

The Major in Social Entrepreneurship is designed for students interested in using their business skills in the entrepreneurial pursuit of social impact. The core BSBA program provides a strong foundation for any student looking to become a successful business leader and make a social impact.

Social entrepreneurship is a form of leadership that permanently changes the way problems are addressed on a global and local scale.
entrepreneurs take innovative and creative approaches to develop sustainable solutions to a range of problems from poverty, malnutrition, and homelessness and to lack of access to education, health care and dignified work. These methods allow social entrepreneurs to develop and implement pattern-breaking solutions for previously intractable social problems in ways that are sustainable and have a long-term orientation.

Social entrepreneurship is about being lean and having a vision, and then each year building layers of advantage. Social entrepreneurs invent, find ways to acquire new resources, learns and educates with the community, and develops new and stronger relationships with the community.

**Requirements**

To earn the degree in Business Administration with a major in Social Entrepreneurship, students must meet all the requirements for the BSBA degree, plus take six courses in the Social Entrepreneurship major listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKTG 340</td>
<td>MARKETING RESEARCH</td>
<td></td>
</tr>
<tr>
<td>OLED 365</td>
<td>SOCIAL JUSTICE &amp; DIVERSITY</td>
<td></td>
</tr>
<tr>
<td>SUST 210</td>
<td>SUSTAINABLE FUTURE</td>
<td></td>
</tr>
<tr>
<td>SUST 220</td>
<td>WATER</td>
<td></td>
</tr>
<tr>
<td>SUST 230</td>
<td>FOOD</td>
<td></td>
</tr>
<tr>
<td>SUST 240</td>
<td>WASTE</td>
<td></td>
</tr>
<tr>
<td>SUST 320</td>
<td>SPRAWL, TRANSPORT, PLANNING</td>
<td></td>
</tr>
</tbody>
</table>

**Recommended Free Elective Choices**

12

**First Year Success Course or Transfer Success Course**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 101</td>
<td>INTRODUCTION TO BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
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</table>

**Communication Requirement**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 301</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3</td>
</tr>
</tbody>
</table>

**Ideas Across Disciplines**

3 credits in coursework categorized as Ideas.

2

**Humanities and Fine and Performing Arts**

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Speech, and Women’s and Gender Studies

9

**Mathematics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY</td>
<td>3</td>
</tr>
</tbody>
</table>

**Science**

2 Natural Science (including lab)

7

**Social Sciences**

3 Social Sciences (can include ECON 101, ECON 102, ECON 234)

9

**Experiential Learning**

6 credits from coursework categorized as Experiential Learning

3

3

**Business Requirements**

Complete the Business Requirements

36

Total Credit Hours

120

1 Social Entrepreneurship majors are required to take SOC 101 INTRODUCTION TO SOCIOLOGY. It can count toward the Social Science requirement or as a free elective.

**CORE Requirements (General Education)**

These quantitative requirements also apply to degrees in the College of Business:

- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.
- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

**First-Year Success Course or Transfer Success Course**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 101</td>
<td>INTRODUCTION TO BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>FYS 101</td>
<td>FIRST YEAR SUCCESS COURSE</td>
<td>1</td>
</tr>
<tr>
<td>or TRS 101</td>
<td>TRANSFER SUCCESS 101</td>
<td></td>
</tr>
</tbody>
</table>

**Communication Requirement**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>COMPOSITION I: CRITICAL READING &amp; WRITING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
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<td>3</td>
</tr>
<tr>
<td>BCOM 301</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3</td>
</tr>
</tbody>
</table>

**Ideas Across Disciplines**

3 credits in coursework categorized as Ideas. 2

**Humanities and Fine and Performing Arts**

9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Speech, and Women’s and Gender Studies

9

**Mathematics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 110</td>
<td>QUANTITATIVE LITERACY</td>
<td>3</td>
</tr>
</tbody>
</table>

**Science**

2 Natural Science (including lab)

7

**Social Sciences**

3 Social Sciences (can include ECON 101, ECON 102, ECON 234)

9

**Experiential Learning**

6 credits from coursework categorized as Experiential Learning

3

3

**Business Requirements**

Complete the Business Requirements

36

Total Credit Hours

120

1 First-Year Success is required of freshmen with less than 12 hours in their first semester at RU. Transfer Success is required of all transfer students with less than 90 hours.

2 Ideas across Disciplines is required of all new students with less than 30 hours. It should be taken in a student’s second semester at Roosevelt. ENG 101 is a prerequisite. Ideas across Disciplines courses cannot “double-dip” with Humanities or Social Science requirements.

3 Experiential Learning courses can “double-dip” with major requirements/electives or any CORE requirement (but cannot “triple-dip” as all three). Transfer students who enter with 60 or more hours are required to take only 1 Experiential Learning course. Transfer equivalencies for Experiential Learning courses from other institutions can be evaluated by the Provost’s office and program heads upon request.
Grade of C- or better required
5 Higher-level mathematics may be substituted for MATH 110 QUANTITATIVE LITERACY.
6 Grade of C- or better required in the Math course
7 Required for all freshmen.
8 Required for all Business majors other than Transfer students.

Mathematical preparation
Quantitative skills are critical for the academic study of business. This is especially true for accounting and finance majors. For all students, required business classes such as FIN 311 PRINCIPLES OF FINANCE and MGMT 300 OPERATIONS MANAGEMENT are mathematically based. In order to complete the degree on a timely basis, students are required to take mathematical requirements, MATH 110 QUANTITATIVE LITERACY, ECON 234 ELEMENTARY STATISTICS, and any developmental courses required by the RUA in the first semester and in each following semester until these requirements are completed.

Business requirements
Standards
All Business courses taken by Business majors and minors must be satisfied with a grade of C- or better. A 300-level business elective is substituted for the international perspective course if an international course is in the major. MGMT 380 BUSINESS POLICY AND STRATEGY must be taken at Roosevelt and passed with a grade of C- or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman/Sophomore Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 211</td>
<td>PRINCIPLES OF ACCOUNTING II</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 201</td>
<td>BUSINESS LAW</td>
<td>3</td>
</tr>
<tr>
<td>International Perspective</td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>ACCT 337</td>
<td>INTERNATIONAL ACCOUNTING</td>
<td>3</td>
</tr>
<tr>
<td>FIN 354</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 360</td>
<td>SURVEY OF INTERNATIONAL BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 362</td>
<td>INTERNATIONAL MARKETING STRATEGIES</td>
<td>3</td>
</tr>
<tr>
<td>Junior/Senior Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCOM 301</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 311</td>
<td>PRINCIPLES OF FINANCE</td>
<td>3</td>
</tr>
<tr>
<td>INFS 330</td>
<td>MANAGEMENT INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 300</td>
<td>OPERATIONS MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 308</td>
<td>ETHICAL LEADERSHIP AND CORPORATE SOCIAL RESPONSIBILITY</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 358</td>
<td>ORGANIZATIONAL BEHAVIOR</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 380</td>
<td>BUSINESS POLICY AND STRATEGY</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 302</td>
<td>PRINCIPLES OF MARKETING</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>36</td>
</tr>
</tbody>
</table>

1 Grade of C- or better required.
2 Fulfills experiential general education requirement.

Total Minimum Credit Hours for BSBA

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Business or Non-Business Electives</td>
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<td>16</td>
</tr>
<tr>
<td>General Business Requirements</td>
<td></td>
<td>36</td>
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<tr>
<td>General Education Requirements</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td>Major Requirements - minimum of</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>120</td>
</tr>
</tbody>
</table>

The last 30 hours of coursework must be completed at Roosevelt University.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different.

Year 1

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>1 ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101</td>
<td>3 IDEAS ACROSS DI</td>
<td>3</td>
</tr>
<tr>
<td>BADM 101</td>
<td>3 ECON 101</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 111 or 112</td>
<td>4 Humanities #1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>3 General Elective</td>
<td>3</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>15</td>
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</tbody>
</table>

Year 2

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 210</td>
<td>3 ACCT 211</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>3 BCOM 301</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 201</td>
<td>3 ECON 234</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>3 FIN 203</td>
<td>3</td>
</tr>
<tr>
<td>PHYSICAL SCIENCE</td>
<td>3 Humanities #2</td>
<td>3</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Year 3

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 308</td>
<td>3 SENT 306</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 358</td>
<td>3 MGMT 300 or FIN 311</td>
<td>3</td>
</tr>
<tr>
<td>INFS 330</td>
<td>3 MGMT 360, ACCT 337, FIN 354, or MKTG 362</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 302</td>
<td>3 Humanities #3</td>
<td>3</td>
</tr>
<tr>
<td>SENT 305</td>
<td>3 GENERAL ELECTIVE</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>SOC 367, 346, or SUST 340</td>
<td>3</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Year 4

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 300 or FIN 311</td>
<td>3 MGMT 380</td>
<td>3</td>
</tr>
</tbody>
</table>
Undergraduate students may choose one or more secondary areas of specialization, called minors, along with their majors. Minors typically require between 12 and 18 credit hours (four to six classes). Students majoring in one program often elect to complete a minor in another program and even in another college. Students should consult with their academic advisor to determine if a minor fits their academic plan.

- Accounting, Minor (for Business Majors) (p. 202)
- Accounting, Minor (for Non-Business Majors) (p. 202)
- Finance, Minor (for Business majors) (p. 202)
- Finance, Minor (for Non-Business Majors) (p. 203)
- General Business, Minor (for Non-Business Majors) (p. 203)
- Hospitality and Tourism Management, Minor (p. 203)
- Human Resource Management, Minor (for Business majors) (p. 204)
- Human Resource Management, Minor (for Non-Business Majors) (p. 204)
- International Business, Minor (p. 204)
- Management, Minor (for Business majors) (p. 204)
- Management, Minor (for Non-Business Majors) (p. 205)
- Marketing, Minor (for Business majors) (p. 205)
- Marketing, Minor (for non-Business Majors) (p. 205)
- Meetings and Events Management, Minor (p. 205)
- Organizational Leadership, Minor (p. 206)
- Organizational Leadership, Minor (for Non-Business Majors) (p. 206)
- Real Estate, Minor (for Business Majors) (p. 206)
- Real Estate, Minor (for Non-Business Majors) (p. 207)
- Social Entrepreneurship, Minor (for Business Majors) (p. 207)
- Social Entrepreneurship, Minor (for Non-Business Majors) (p. 207)

### Accounting, Minor (for Non-Business Majors)

A minor in a Business discipline is available to students from the other colleges of Roosevelt University. Non-Business students may minor in only one Business discipline. Students must complete all prerequisites for courses in their chosen minor discipline. All minor courses require a grade of C- or better. At least four of the seven required courses must be taken at Roosevelt University. Students with questions regarding business minors should consult the assistant dean for undergraduate business studies.

#### Requirements

A non-Business student who wishes to take an Accounting minor must take seven classes total. At least four of the seven required courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>PRINCIPLES OF ECONOMICS I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>PRINCIPLES OF ECONOMICS II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 211</td>
<td>PRINCIPLES OF ACCOUNTING II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 304</td>
<td>INTERMEDIATE ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 305</td>
<td>INTERMEDIATE ACCOUNTING II</td>
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</tr>
<tr>
<td>300 level Accounting Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### Finance, Minor (for Business majors)

The Finance minor for business majors provides students with an insight into the finance field. Students take courses in: Money & Banking; Investments; choose a 300 level elective in Finance and take one of
the following: Financial Markets & Institutions; Business Problems in Finance; or Derivative Securities.

Requirements
The requirements are four courses in Finance at the 300 level without overlap with the major requirements. At least three of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 301</td>
<td>MONEY AND BANKING</td>
<td>3</td>
</tr>
<tr>
<td>FIN 321</td>
<td>INVESTMENTS</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>FIN 383</td>
<td>FINANCIAL MARKETS AND INSTITUTIONS</td>
<td></td>
</tr>
<tr>
<td>FIN 385</td>
<td>BUSINESS PROBLEMS IN FINANCE</td>
<td></td>
</tr>
<tr>
<td>FIN 387</td>
<td>DERIVATIVE SECURITIES</td>
<td></td>
</tr>
</tbody>
</table>

Electives
One FIN elective at the 300 Level

Total Credit Hours 12

Finance, Minor (for Non-Business Majors)
The Finance minor for non-business majors provides students with basic coursework in Finance. Courses include: Money & Banking: Principles of Finance; Corporate Finance or Investments, one 300-level elective course in Finance and basic Business courses including Principles of Accounting I and Principles of Economics I & II.

Requirements
A non-Business student who wishes to take a Finance minor must take seven classes total. At least four of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.

The Finance minor is highly compatible with the following majors: All majors within the Heller College of Business, Actuarial Science, Data Analytics, Economics, Mathematics, Real Estate.

Business Core Classes
ACCT 210 PRINCIPLES OF ACCOUNTING I 3
ECON 101 PRINCIPLES OF ECONOMICS I 3
ECON 102 PRINCIPLES OF ECONOMICS II 3

Minor Core Classes
FIN 301 MONEY AND BANKING 3
FIN 311 PRINCIPLES OF FINANCE 3
FIN 312 CORPORATE FINANCE 3
or FIN 321 INVESTMENTS 3

Minor Electives
300 level Finance Elective 3

Total Credit Hours 21

General Business, Minor (for Non-Business Majors)
A general Business minor for non-business majors is available to students from the other colleges of Roosevelt University. The requirements are seven courses in business, including three required courses and four upper-level (300 level) business courses approved by the student’s advisor. A student may choose courses from different business areas such as MGMT 358 ORGANIZATIONAL BEHAVIOR, MKTG 302 PRINCIPLES OF MARKETING, and FIN 311 PRINCIPLES OF FINANCE, or a more specialized business minor in an area such as Accounting, Finance, Human Resource Management, Management, or Marketing. Students must complete all prerequisites for courses in their chosen minor areas, including junior standing for 300-level courses. At least four courses in the minor must be taken at Roosevelt University. A grade of C- or better is required in all courses.

Requirements

Business core classes
ACCT 210 PRINCIPLES OF ACCOUNTING I 3
ECON 101 PRINCIPLES OF ECONOMICS I 3
ECON 102 PRINCIPLES OF ECONOMICS II 3

Electives
Four upper-level (300-level) business electives 12

Total Credit Hours 21

Hospitality and Tourism Management, Minor
A minor in Hospitality and Tourism Management is available to non-Hospitality majors only such as Business or Integrated Marketing Communication. Any major that can accommodate the requirements is welcome to declare this minor.

Students interested in this minor should consult with the School of Hospitality & Tourism Management regarding the rotation of classes. It typically takes three semesters to complete this sequence.

Requirements
Students may complete a minor by taking 18 credit hours of hospitality and tourism management courses, 15 of which must be Roosevelt University courses.

Students pursuing this minor should be advised on course selection by a hospitality management advisor.

All courses must be passed with grades of C or higher. These courses include:

Required
HOSM 201 INTRODUCTION TO THE HOSPITALITY INDUSTRY 3
HOSM 275 HOSPITALITY LAW 3
or BLAW 201 BUSINESS LAW I 3
HOSM 300 OPERATIONS ANALYSIS FOR THE HOSPITALITY INDUSTRY 3
Human Resource Management, Minor (for Business majors)

The Human Resource Management minor provides students with basic knowledge into the Human Resource Management field including: an introduction to human resource management; wage and salary administration; employment techniques; industrial relations management; employee benefits and supervision and employee training.

Requirements

The requirements are four courses in Human Resource Management at the 300 level without overlap with the major requirements. At least three of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRM 311</td>
<td>INTRODUCTION TO HUMAN RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>Select three of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HRM 313</td>
<td>STRATEGIC COMPENSATION MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HRM 321</td>
<td>EMPLOYMENT TECHNIQUES</td>
<td>3</td>
</tr>
<tr>
<td>HRM 331</td>
<td>INDUSTRIAL RELATIONS MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HRM 360</td>
<td>EMPLOYEE BENEFITS</td>
<td>3</td>
</tr>
<tr>
<td>HRM 361</td>
<td>SUPERVISION &amp; EMPLOYEE TRAINING</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Human Resource Management, Minor (for Non-Business Majors)

A minor in a Business discipline is available to students from the other Colleges at Roosevelt University. These minors are recommended for students who want to enhance their academic programs with business related coursework. Non-Business students may minor in only one Business discipline. Students must complete all prerequisites for courses in their chosen minor discipline. All minor courses require a grade of C- or better. At least four of the six required courses must be taken at Roosevelt University. Students with questions regarding Business minors should consult the Assistant Dean of Students or designee.

Requirements

The Human Resource Management minor for non-business majors introduces students to the field of Human Resource Management.

A non-Business student who wishes to take a Human Resource Management minor must take six classes total. At least four of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 337</td>
<td>INTERNATIONAL ACCOUNTING</td>
<td>3</td>
</tr>
<tr>
<td>FIN 354</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 360</td>
<td>SURVEY OF INTERNATIONAL BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 362</td>
<td>INTERNATIONAL MARKETING STRATEGIES</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

International Business, Minor

The International Business minor for business major students contains four courses: International Accounting; International Financial Analysis; Survey of International Business and International Marketing Strategies.

Requirements

The requirements are four courses in International Business at the 300 level without overlap with the major requirements. At least three of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area. If a student completed an international course in his/her major (such as ACCT 337 for an accounting major), that course counts in major and an upper level (300 level) business elective must be completed in the core requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 337</td>
<td>INTERNATIONAL ACCOUNTING</td>
<td>3</td>
</tr>
<tr>
<td>FIN 354</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 360</td>
<td>SURVEY OF INTERNATIONAL BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 362</td>
<td>INTERNATIONAL MARKETING STRATEGIES</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Management, Minor (for Business majors)

The Management minor provides students with an overview of the management field. Students will study: Behavioral Science & Organizational Theory; Organizational Development and choose courses within the fields of management and human resource management.

Requirements

The requirements are four courses in Management at the 300 level without overlap with the major requirements. At least three of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.
Management, Minor (for Non-Business Majors)

A minor in a Business discipline is available to students from the other Colleges at Roosevelt University. These minors are recommended for students who want to enhance their academic programs with business related coursework. Non-Business students may minor in only one Business discipline. Students must complete all prerequisites for courses in their chosen minor discipline. All minor courses require a grade of C- or better. At least four of the six required courses must be taken at Roosevelt University. Students with questions regarding Business minors should consult the Assistant Dean of Students or designee.

Requirements

The Management minor for non-business majors provides students with an overview of the management field.

A non-Business student who wishes to take a Management minor must take six classes total. At least four of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 358</td>
<td>ORGANIZATIONAL BEHAVIOR</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 398</td>
<td>ORGANIZATIONAL DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 308</td>
<td>ETHICAL LEADERSHIP AND CORPORATE SOCIAL RESPONSIBILITY</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 360</td>
<td>SURVEY OF INTERNATIONAL BUSINESS</td>
<td>3</td>
</tr>
</tbody>
</table>

Minor Electives

Two 300-level Management OR Human Resource Management Electives 6

Total Credit Hours 12

Marketing, Minor (for non-Business Majors)

A minor in a Business discipline is available to students from the other Colleges at Roosevelt University. These minors are recommended for students who want to enhance their academic programs with business related coursework. Non-Business students may minor in only one Business discipline. Students must complete all prerequisites for courses in their chosen minor discipline. All minor courses require a grade of C- or better. At least four of the six required courses must be taken at Roosevelt University. Students with questions regarding Business minors should consult the Assistant Dean of Students or designee.

Requirements

The Marketing minor for non-business majors gives students the opportunity to learn the basics of marketing. The Marketing minor is highly compatible with the following majors: All majors within the Heller College of Business, Psychology, Integrated Marketing Communications, Sociology, Anthropology, and Economics

A non-Business student who wishes to take a Marketing minor must take six classes total. At least four of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKTG 324</td>
<td>SALES MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 331</td>
<td>PRINCIPLES OF ADVERTISING</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 340</td>
<td>MARKETING RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 344</td>
<td>MARKETING STRATEGY &amp; PLANNING</td>
<td>3</td>
</tr>
</tbody>
</table>

Meetings and Events Management, Minor

A minor in Meetings and Events Management is available to non-Hospitality majors only, such as Business or Integrated Marketing Communication. Meeting and event management professionals are often found in public relations, marketing, education, membership and fundraising departments. Any major that can accommodate the requirements below is welcome to declare this minor.

Students interested in this minor should consult with the School of Hospitality & Tourism Management regarding the rotation of classes. It typically takes three semesters to complete this sequence.
Requirements

Six courses (18 credit hours) are required for the minor in Meeting & Events Management per the list below. Transfer students must complete at least four of these courses (12 credit hours) at Roosevelt.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSM 201</td>
<td>INTRODUCTION TO THE HOSPITALITY INDUSTRY (Prerequisite course. Can be waived.)</td>
<td></td>
</tr>
</tbody>
</table>

Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSM 231</td>
<td>INTRODUCTION TO MEETING AND EVENT MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 315</td>
<td>APPLICATIONS &amp; TECHNIQUES OF MEETING &amp; EVENT MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 317</td>
<td>ISSUES &amp; TRENDS IN MEETING &amp; EVENT MANAGEMENT</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (choose 3) 9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSM 319</td>
<td>HOSPITALITY FACILITIES MARKETING, SALES, AND SERVICE</td>
<td></td>
</tr>
<tr>
<td>HOSM 323</td>
<td>EXHIBITION MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>HOSM 324</td>
<td>SPECIAL EVENTS</td>
<td></td>
</tr>
<tr>
<td>HOSM 328</td>
<td>DESTINATION MARKETING</td>
<td></td>
</tr>
<tr>
<td>HOSM 329</td>
<td>DESTINATION CHICAGO: MANAGING GROUP TOURS</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Organizational Leadership, Minor (for Non-Business Majors)

The Organizational Leadership minor is highly compatible with the following majors: All majors within the Heller College of Business, Actuarial Science, Criminal Justice, Computer Science, Political Science, and Psychology.

Grade of C or higher required in all OLED courses.

A minor in Organizational Leadership can be earned by students who complete the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLED 320</td>
<td>INTRODUCTION TO ORGANIZATIONAL COMMUNICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>OLED 325</td>
<td>ORGANIZATIONAL COMMUNICATIONS II</td>
<td>3</td>
</tr>
<tr>
<td>OLED 330</td>
<td>FOUNDATIONS OF ORGANIZATIONAL LEADERSHIP</td>
<td>3</td>
</tr>
<tr>
<td>OLED 335</td>
<td>ORGANIZATIONAL CHANGE</td>
<td>3</td>
</tr>
<tr>
<td>OLED 365</td>
<td>SOCIAL JUSTICE &amp; DIVERSITY</td>
<td>3</td>
</tr>
<tr>
<td>OLED 380</td>
<td>STRATEGY, VISION, &amp; PLANNING</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Real Estate, Minor (for Business Majors)

A minor in real estate is available to all students at Roosevelt University. The real estate minor is recommended for students who want to enhance their academic programs with real estate-related coursework. Non-Business students may minor in only one Business discipline. Students must complete all prerequisites for courses in their chosen minor discipline. The real estate minor requires a B average (3.0 GPA) in the minor real estate courses with a minimum allowed grade of B- in any real estate course. At least three of the four courses for this minor must be taken at Roosevelt University. Students with questions regarding Business minors should consult the appropriate Assistant Dean or designee.

The real estate industry is a multi-disciplinary sector utilizing many skill sets and interests. The real estate minor is highly compatible with the following majors: All majors within the Heller College of Business, Integrated Marketing Communications, Communications, Economics, and Actuarial Science.

The requirements are four courses in Real Estate at the 300 level without overlap with the major requirements. At least three of the courses must be taken at Roosevelt University, and all courses must be passed with grades of C- or higher. Students must complete all prerequisites for courses in their chosen minor area.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REES 301</td>
<td>REAL ESTATE PROCESS</td>
<td>3</td>
</tr>
<tr>
<td>REES 302</td>
<td>REAL ESTATE QUANTITATIVE METHODS</td>
<td>3</td>
</tr>
</tbody>
</table>
Real Estate, Minor (for Non-Business Majors)

A minor in real estate is available to all students at Roosevelt University. The real estate minor is recommended for students who want to enhance their academic programs with real estate-related coursework. Non-Business students may minor in only one Business discipline. Students must complete all prerequisites for courses in their chosen minor discipline. The real estate minor requires a B average (3.0 GPA) in the minor real estate courses with a minimum allowed grade of B- in any real estate course. At least three of the four courses for this minor must be taken at Roosevelt University. Students with questions regarding Business minors should consult the appropriate Assistant Dean or designee.

The real estate industry is a multi-disciplinary sector utilizing many skill sets and interests. The real estate minor is highly compatible with the following majors: All majors within the Heller College of Business, Integrated Marketing Communications, Communications, Economics, and Actuarial Science.

Business Core Classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 102</td>
<td>COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>PRINCIPLES OF ECONOMICS II</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 201</td>
<td>BUSINESS LAW I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 121</td>
<td>COLLEGE ALGEBRA</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Required Courses (9 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REES 301</td>
<td>REAL ESTATE PROCESS</td>
<td>3</td>
</tr>
<tr>
<td>REES 302</td>
<td>REAL ESTATE QUANTITATIVE METHODS</td>
<td>3</td>
</tr>
<tr>
<td>REES 311</td>
<td>REAL ESTATE FINANCE</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 9

Elective Course

Choose one course from the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REES 315</td>
<td>REAL ESTATE VALUATION</td>
<td>3</td>
</tr>
<tr>
<td>REES 321</td>
<td>REAL ESTATE LAW</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Entrepreneurship, Minor (for Business Majors)

A minor in Social Entrepreneurship from the Heller College of Business will provide students with both the conceptual framework and skills needed to help address critical societal problems. With courses offered most every semester and a curriculum composed of just 12 credit hours, the social entrepreneurship minor offers Business students the opportunity to complement their respective Business majors with specific training in social entrepreneurship. Students will obtain the broad perspective and skills needed to find employment in organizations pursuing social missions.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SENT 305</td>
<td>SOCIAL ENTREPRENEURSHIP I: CREATING THE VISION</td>
<td>3</td>
</tr>
<tr>
<td>SENT 306</td>
<td>SOCIAL ENTREPRENEURSHIP II: IMPLEMENTATION</td>
<td>3</td>
</tr>
<tr>
<td>SENT 307</td>
<td>BUSINESS PLANNING AND STRATEGIC NEW VENTURES</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

One class from Sustainability Studies to be selected in conjunction with the Assistant Dean. 3

Total Credit Hours 12

Social Entrepreneurship, Minor (for Non-Business Majors)

Non-business undergraduate students who pursue this minor will acquire skills necessary to take on issues of social responsibility, environmental sustainability, and the know how to develop products and services that can alleviate social problems. The minor will impart a comprehensive set of management skills through specific coursework offered in the Management Department.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SENT 305</td>
<td>SOCIAL ENTREPRENEURSHIP I: CREATING THE VISION</td>
<td>3</td>
</tr>
<tr>
<td>SENT 306</td>
<td>SOCIAL ENTREPRENEURSHIP II: IMPLEMENTATION</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 308</td>
<td>ETHICAL LEADERSHIP AND CORPORATE SOCIAL RESPONSIBILITY</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 302</td>
<td>PRINCIPLES OF MARKETING</td>
<td>3</td>
</tr>
<tr>
<td>SENT 307</td>
<td>BUSINESS PLANNING AND STRATEGIC NEW VENTURES</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

One class from Sustainability Studies to be selected in conjunction with the Assistant Dean. 3

Total Credit Hours 18
ACADEMIC POLICIES

The university-wide academic policies (https://www.roosevelt.edu/policies/) that further appear in this section apply to all undergraduate programs. Students are responsible for acquainting themselves with these policies and following them. In addition, some of the university’s colleges and programs have additional policies that apply only to students enrolled in those particular programs. Students should consult the catalog section for their colleges and programs for policies specific to their programs.

Academic Definitions and Terminology

Degrees and awards
Below are the general definitions of the undergraduate degrees offered by Roosevelt University. Each specific degree offered in a college has its own unique requirements for completion. Students should refer to the specific requirements listed for their chosen academic program.

Bachelor’s Degree
The U.S. Department of Education defines a bachelor’s degree as requiring at least four but not more than five years of full-time equivalent college-level work. This definition also includes bachelor’s degrees in which the normal four years of work are completed in three years.

Bachelor’s degrees at Roosevelt University require the completion of at least 120 credit hours and include coursework taken at Roosevelt as well as coursework accepted for transfer by Roosevelt University. The final 30 credit hours toward a student’s degree must be completed at Roosevelt University. Students should also be aware that some majors have additional requirements for hours in the major that must be taken at Roosevelt.

Second Bachelor’s Degree
Applicants who have received a bachelor’s degree from a regionally accredited college or university in the United States are eligible for admission as second bachelor’s degree candidates. Applicants with international credentials that are the equivalent of a bachelor’s degree from a four-year accredited U.S. university (as determined by an evaluation agency approved by Roosevelt University) are also eligible for admission as second bachelor’s degree candidates. Official transcripts from each college previously attended are required, along with the admission application and fee.

A student earning a second bachelor’s degree must complete a minimum of 30 credit hours at Roosevelt University that has not been counted for any other degree. In all colleges, degree requirements, in general, may be met with transfer credit, Roosevelt University courses, or a combination of both. However, specific degree requirements differ from college to college, and students should consult with their major department to discuss their requirements. Students with international credentials must consult with the appropriate college to discuss possible deficiencies in major or general education requirements.

Students with a bachelor’s degree from a four-year accredited U.S. university have met the University Writing Requirement and do not need to take the English portion of the Roosevelt University Assessment (https://www.roosevelt.edu/current-students/academics/placement-tests/). However, the degree being sought may have specific math requirements (e.g., science, math, business, or computer science), so the student may be required to take the mathematics portion of the Roosevelt University Assessment (https://www.roosevelt.edu/current-students/academics/placement-tests/).

Certificates and Diplomas
Certificates and diplomas certify satisfactory completion of a post-secondary education program. All Roosevelt certificates meet the regulatory requirements of the Department of Education, the Higher Learning Commission, and the Illinois Board of Higher Education.

Dual Degrees
A dual degree refers to a student simultaneously completing the requirements of two distinct degree programs (such as a Bachelor of Science and a Bachelor of Arts). Students in dual-degree programs must fulfill all of the requirements for both majors as well as the general education requirements for both degrees, typically requiring more than the normal 120 credit hours. Dual-degree students will be awarded two separate degrees upon completion of their programs. Examples of dual-degree students are:

- Students completing both a Bachelor of Arts in Psychology and a Bachelor of Science in Biology.

Accelerated Bachelor’s + Master’s Programs
Accelerated Bachelor’s/Master’s degree programs involve an accelerated pathway from an undergraduate degree to a graduate degree. In these accelerated programs, up to 9 credit hours of identified courses taken in the senior year of the student’s undergraduate degree program can be applied to the graduate degree program.

Program Definitions

Major
Undergraduate students select a specific subject area in which they will specialize, called a major. Typically Roosevelt majors are between 30 and 36 credit hours (10 to 12 classes), or about one-fourth of the total hours required for a bachelor’s degree. Majors usually include core or required courses, elective courses in the major field, and possibly required courses in other fields. The remainder of the hours toward the full degree will be filled by general education courses, elective courses, and possibly a minor or concentration.

Double Major
A student with a double major completes the requirements of two distinct majors within the same degree (such as Bachelor of Arts). Students in double-major programs must fulfill all of the requirements for both majors as well as all of the general education requirements for the degree. In some cases, this may require the student to complete more credit hours than are required for the degree. Students completing a double major will receive one degree upon completion of the program, and their academic transcript will list both majors. Examples of a double major are:

- Students completing a Bachelor of Arts degree with a major in Psychology and an additional major in Political Science.
- Students completing a Bachelor of Science degree in Biology with an additional major in Chemistry.

Minor
Undergraduate students may choose one or more secondary areas of specialization, called minors, along with their majors. Minors typically require between 12 and 18 credit hours (four to six classes). Students majoring in one program often elect to complete a minor in other programs.
There are three types of minors:

- Departmental or single-discipline minors.
- Interdisciplinary or cross-discipline minors.
- Thematic minors.

Students should confirm with their academic advisors that the minors they hope to pursue can be coupled with their majors.

Concentration
A concentration provides a thematic focus of study through 9 credit hours or more of interrelated courses in a subject area. Students pursuing a concentration must be enrolled in a degree program. Concentrations as stated in the degree program sections of the Catalog. Students should consult with their academic advisors about requirements and procedures related to concentrations.

Declaration/Change of Program
To change a program of study, undergraduate students must complete a Undergraduate Declaration/Change of Program form (https://www.roosevelt.edu/~media/Files/pdfs/registrar/Change-of-Program-UG.ashx), obtain the signature of an academic advisor and submit the form to the Office of the Registrar. A form must be completed in order to change, add, or remove a degree, major, minor, certificate, or concentration. A student's official academic record will only reflect changes after the form has been processed by the Office of the Registrar. In some cases, changes to a program of study will not appear on a student's record until the following term.

Other Definitions
Catalog Year
A student’s ‘catalog year’ determines the degree requirements for that student, based on the catalog at that time. Typically, the catalog year is the academic year in which a student entered the university.

Any student may update their original catalog year to the current catalog year with the approval of their advisor, using this form: Declaration/Change of Program form (https://www.roosevelt.edu/~media/Files/pdfs/registrar/Change-of-Program-UG.ashx). Students who change majors will have their catalog year updated to the current catalog year. Former degree-seeking students who have been away for three years or more must comply with degree requirements in the current catalog.

Grade Reports
Final grade reports are available to students in RU Access, the university’s online student records system; no grade reports are mailed. The grade report includes credit hours completed, quality points and term, and cumulative grade point averages. Academic standing also is indicated on the grade report. However, grade reports are not official transcripts.

Phase-Out Programs
The university may decide to phase out certain programs at any time as conditions warrant. The university will work closely with students who are matriculating in a phase-out program to ensure that they can successfully complete a degree. Depending on a student’s enrollment status, progress toward completion, and availability of courses in the phase-out program, a change in program may be necessary to complete a degree.

Shared Coursework
Rules governing shared coursework are as follows:

- Major credits can be shared with CORE Ideas and Experiential Learning courses, if designated as such by the program
- Major credits may not be shared with CORE credits toward general education requirements in Communication, Mathematics, Natural Science, Social Science, and Humanities
- Credits cannot be shared between a major and a minor
- Credits cannot be shared between minors
- Credits cannot be shared with between concentrations
- Credits can be shared between CORE (General Education) requirements and a minor

Transcripts
The transcript is the official academic record for a student at Roosevelt University. Official transcripts are issued directly to institutions and employers. Students may also request a transcript marked “Issued to Student.” No transcript will be issued if the student owes the university money or has any other encumbrance. Information about the cost of transcripts and the procedure for ordering is available on the Transcripts (https://www.roosevelt.edu/current-students/get-help/request-transcript/) website.

Academic Standing Policy

Academic Standing Policy
Each Roosevelt University undergraduate student has an academic standing determined by his or her cumulative Roosevelt grade point average and, in some cases, the semester grade point average.

Calculation of Academic Standing
Academic standing is an end-of-term status, which means a student must complete at least one term of coursework before having a calculated academic standing. Academic standing is updated after final grades have been posted for the fall and spring semesters and after the last summer session. Academic standing for completed terms is not recalculated after the submission of grade changes; academic standing is based on the student’s performance at the grade submission deadline. Academic standing is identified on a student’s transcript and visible in RU Access. Students are expected to understand both their program and university academic standing requirements and review their academic performance with their advisors after every enrolled semester.

Courses that do not Count towards RU GPA
Transfer coursework is not included in the cumulative Roosevelt GPA. Transfer coursework taken elsewhere for a higher grade cannot be used to improve academic standing.

In addition, courses below 100 level, such as those in the English Language Program and Math, do not count toward the student’s degree. Such courses are not considered college-level work.

Admitted on Probation
Students admitted on probation by the Office of Admission are required to earn a minimum semester GPA of 2.0 in their first term of enrollment at Roosevelt. Registration for students admitted on probation is limited to 12 credit hours or fewer. Students who do not earn the minimum 2.0 GPA at the end of their first term will be academically suspended.
Notification of Academic Standing

After the end of a term, students who are not in good standing will be notified by university email within about three weeks of the date that grades for the term are visible in RU Access.

Good Standing

An undergraduate student who has completed at least one course that counts toward the Roosevelt cumulative grade point average has a GPA of 2.0 or higher, is considered to be in good academic standing.

No Standing Calculated

Students who did not complete any coursework that counts toward a GPA fall into this category. For example, a student taking only coursework listed below 100 level or a student who withdrew from all courses would have no standing calculated. This academic standing is not punitive; students with no standing calculated are not restricted from registering for courses or continuing at the university.

Placed on Probation

Students in good standing are placed on probation if their cumulative Roosevelt GPA falls below a 2.0. Students on probation have one term to either bring their cumulative Roosevelt GPA back up to a 2.0 or higher or to achieve a semester GPA of 2.2 or higher. Failure to do so will result in academic suspension.

Registration for students on academic probation is limited to 12 credit hours per term, or fewer if recommended by an advisor. Students on academic probation must be advised in the Office of Undergraduate Academic Advising (https://www.roosevelt.edu/StudentSuccess/AdvisingUndergrad.aspx).

Continued on Probation

Students placed on probation who fail to raise their cumulative Roosevelt GPA to 2.0 or higher but earn a semester grade point average of 2.20 or higher in the term after being placed on probation will be continued on probation. Students on academic probation may register for only 12 credit hours, or fewer if recommended by an advisor.

Academic Suspension

Students are placed on academic suspension for the following reasons:

- They were admitted on probation and have a cumulative Roosevelt GPA lower than 2.0 after completing their first semester.
- They were placed or continued on probation and earned a cumulative Roosevelt GPA lower than 2.0 and a semester Roosevelt GPA below 2.2.

Students academically suspended are not allowed to register for or audit classes, negotiate with professors for grades other than those already posted, or make further arrangements to remove incomplete grades unless they are reinstated. In order to return to Roosevelt University, students must apply for academic reinstatement. A suspended student is not eligible for academic reinstatement the semester immediately following his/her academic suspension.

Reinstatement

Students on academic suspension are eligible to appeal their suspension and petition the university’s Academic Status and Progress Committee for reinstatement to the university. To do so, students must complete and return a reinstatement petition (https://catalog.roosevelt.edu/undergraduate/policies/academic-standing/ReinstatementPetition_June_2018.pdf) to the Office of Undergraduate Academic Advising by the deadlines noted below.

The Academic Status and Progress Committee evaluates each application and determines appropriate action for each case. The committee may decide, for example, that a student has potential but should not return to Roosevelt for the term for which the petition was received. The student could be encouraged to petition for a future term after conditions set by the committee are fulfilled.

The deadlines for petitions for reinstatement are:

- To return for the summer semester, a completed reinstatement petition must be received by Feb. 15.
- To return for the fall semester, a completed reinstatement petition must be received by July 15.
- To return for the spring semester, a completed reinstatement petition must be received by Oct. 15.

An application for academic reinstatement does not automatically grant the right to return to Roosevelt. Applications are evaluated and decided upon by the committee. The student will be notified of the committee’s decision in writing via the contact information provided by the student.

Dean’s List

Any undergraduate student is eligible for the dean’s list. Eligibility for the Dean’s List will be determined by a grade point average of 3.5 for the academic term based on a minimum of 12 graded hours not including the grades of P or W. Students who have received any I grades for the term are not eligible for the Dean’s list until these grades have been resolved, at which time the term grade point average will be computed.

Academic Dismissal

If the Academic Status and Progress Committee decides that a student should not be reinstated for any future term, the student’s status is changed from academic suspension to academic dismissal.

In such cases, students will be notified in writing by the committee chair of their permanent academic dismissal. Students who are academically dismissed can have the committee’s decision reviewed by notifying the committee chair, who will forward the appeal to the university provost or the provost’s designee, whose decision is final.

Grade Point Average

A student in good standing becomes a candidate for the degree upon completion of a minimum of 120 credit hours of work with a grade point average of 2.0 or higher at Roosevelt University. Students are also responsible for checking the grade point average requirements of their majors.

To compute grade point averages, Roosevelt University uses a four-point system:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Grade Point per Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.6</td>
</tr>
</tbody>
</table>
1. Compute quality points by multiplying the point value assigned to the grade by the number of semester hours for that course. For example, an A in a three-credit hour course equals 12 quality points, a B in the same course, nine quality points, etc. In the case of repeated courses, only the higher grade is counted.

2. Compute quality hours by adding the total number of credit hours attempted for A-F grading, including failed courses (even those designated "pass/fail"). No points are assigned to an F, but the credit hours of a failed course are counted in computing the grade point average. Grades of W, P, S, I and IP do not affect the GPA, nor does the designation "CR" for transfer credits on a credit evaluation.

3. Grades preceded by an asterisk (*A, *B, etc.) are used for developmental courses and do not count in earned hours or the GPA.

4. To obtain the GPA, divide a total number of quality points by the total number of quality hours. For example, the GPA for a student with 61 credit hours including 16 credits A, 9 credits A-, 6 credits B+, 27 credits C, and 3 credits D-, is computed as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Quality Hours</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>16 X 4</td>
<td>64</td>
</tr>
<tr>
<td>A-</td>
<td>9 X 3.67</td>
<td>33.03</td>
</tr>
<tr>
<td>B+</td>
<td>6 X 3.333</td>
<td>19.99</td>
</tr>
<tr>
<td>C</td>
<td>27 X 2</td>
<td>54</td>
</tr>
<tr>
<td>D-</td>
<td>3 X 0.67</td>
<td>2.01</td>
</tr>
<tr>
<td>TOTALS</td>
<td>61 HOURS</td>
<td>173.03 PTS</td>
</tr>
</tbody>
</table>

Divide total quality points by quality hours to get the GPA. In this example, the GPA would be 2.83.

ROOSEVELT CUMULATIVE GPA

All determinations of academic status and standing, degree requirements and honors are based only on the Roosevelt University GPA.

Course and Credit Information

Definitions

Class Levels
Students are considered freshmen until they have completed 29 credit hours; sophomores have completed 30 to 59 credit hours; juniors have completed 60 to 89 credit hours, and seniors have completed 90 or more credit hours.

Credit Hours
Credit for academic work completed at Roosevelt University is earned in credit hours. Credit hours for each course are listed in the catalog and the course schedule. The number of credit hours determines the hours of active or scheduled instruction required in a course ("contact hours"). For example, a 3 credit-hour course requires 37.5 contact hours per term. For non-standard course formats (e.g., online) to receive equivalent credit, they must meet similar curricular goals and outcomes. That is, the course must contain similar content, goals, objectives, and learning outcomes. Longer periods are required for one credit hour in laboratory courses and certain applied courses in art, drawing, and music.

Course Load
An undergraduate student is considered full-time if they are enrolled in a minimum of 12 credit hours per academic term. A student is considered part-time if enrolled in fewer than 12 credit hours in an academic term.

Students are not permitted to take more than 18 credit hours without the written consent of the dean of the college in which they are enrolled. The university reserves the right to limit a student's course load when it is determined to be in the student's best interest. A student on academic probation is limited to 12 credit hours of work during the fall and spring and six credit hours of work in the summer.

Course Numbering System

Courses offered at Roosevelt University are identified by a subject area abbreviation and a course number. Course numbers differentiate courses that are appropriate for particular populations of students and identify varying levels of content in programs of study. The course numbering system also helps advisors and students find appropriate courses. Courses are categorized in the following levels:

Developmental courses carry numbers below 100 (0-99). Such coursework is confined to English composition, Math and the English Language Program. Developmental courses focus on bringing students' skills to the college level. These courses carry no credit toward the hours required for the degree, although they count for purposes of tuition and financial aid.

Lower-division courses are numbered 100 to 299. These courses are intended primarily for freshmen and sophomores, but they may also be taken by juniors and seniors. Transfer credit accepted from two-year colleges usually corresponds to 100- and 200-level offerings. Lower-division courses include introductory or survey courses without prerequisites. However, certain classes carry prerequisites, especially those open to students with majors outside the departments offering the courses. Prerequisites are published yearly in the university catalog and are also viewable in the Course Finder class schedule for each semester.

Upper-Division Courses are numbered from 300 to 399. These courses are intended primarily for juniors and seniors who satisfy any prerequisites. Upper-division courses usually include greater focus or depth in content and are often taken within a student’s program of study.

Prior Learning Credit

Roosevelt University may accept up to 30 credit hours of prior learning credit from various sources, including Advanced Placement exams, International Baccalaureate exams, College Level Examination Program exams, and American Council on Education credit recommendations.

Individualized Course Sections

Individualized course sections are created by an academic program for a specific purpose to meet a student’s academic needs. They are not listed in the schedule/CourseFinder (https://www.roosevelt.edu/Registrar/Schedule.aspx) online and may include theses, dissertations, project research, master's degree projects, doctoral projects, internships, independent studies, and courses by arrangement. Only degree-seeking students are eligible to enroll in individualized sections or independent studies classes. Online registration is not available for an individualized section. In some programs, an individualized course section may be required for graduation (e.g. theses, dissertations, etc.). Students should work closely with their advisors and program of study to determine if an individualized course section is appropriate and to register for the course.
See the How to Register (https://www.roosevelt.edu/current-students/academics/register-classes/) webpage (https://www.roosevelt.edu/current-students/academics/register-classes/) for more detail on procedures for registering for an individualized section.

International Students (UG)
Students in F-1/J-1 status must be full time (12 credit hours) during the fall and spring semesters. Summer attendance is not required.

Auditing Courses (UG)
Students may audit selected courses. Students auditing a course must attend classes consistent with the instructor’s attendance policy and may participate in any or all course requirements and examinations. No academic credit is granted for the course, and the grade of audit (AU) is the only grade recorded. It cannot be changed to another grade at a later date. The cost of an audited course is 50% of the regular tuition plus all applicable fees. Credit hours for an audited course cannot be included in the credit hour load for financial aid eligibility. Students should indicate that they wish to audit the course at the time of registration, but no later than one week after the start of the term. For more detail, please see the procedures for registering (https://www.roosevelt.edu/current-students/academics/register-classes/).

Grading and Grade Options
Grades
A student’s academic progress is indicated by grades A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F or F in completed courses. Each program determines minimum grade requirements for courses in their program. No credit is awarded for a grade of F.

P/F (pass/fail)
Undergraduate students may register for courses with a Pass/Fail grade option after obtaining approval from their academic advisor. A grade of “P” indicates a quality of work at the level of C- or higher. The number of semester hours of such courses may not exceed one-half of the total semester hour load for that term. The total number of semester hours with Pass/Fail grades should not exceed 30 semester hours. Credit hours for which the grade of “P” is received will be counted toward degree requirements but will be omitted from the calculation of the student’s grade point average. However, a grade of “F” (Fail) will be included in the GPA calculation. Details are available on the registration page (https://www.roosevelt.edu/current-students/academics/register-classes/). Students should indicate that they wish to take the course pass/fail at the time of registration, but no later than one week after the start of the term. Not all pass/fail grade requests will be approved. Some courses may be excluded from the pass/fail grading option.

IP (in progress)
The grade IP is given only in specific courses designated by a college, such as independent study, thesis, and internship.

I (incomplete)
A grade of incomplete may be given only with the consent of the instructor and appropriate notification to the Office of the Registrar and the instructor’s dean or department chair.

A student should only receive an Incomplete grade if:
- The student initiates the request for an incomplete grade before the end of the academic term; and
- The student is in good standing the course and has completed a majority of the coursework (usually at least 75% of the coursework); and
- A medical condition or other serious, non-academic extenuating circumstance (as documented with the Office of the Dean of Students) prevents them from completing a small portion of the coursework required to complete the course prior to the end of the term; and
- The required work may be reasonably completed in an agreed-upon timeframe with the faculty member (no later than the end of the next semester, excluding summer); and
- The required work does not require the student to retake any portion of the course.

When entering an Incomplete grade in RU Access the instructor will be required to complete the “I-grade contract” for any student receiving an I grade. Instructors must also communicate to the student via RU email the details listed in the “I-grade contract” (the work to be done and the due dates). If a student’s medical condition or personal circumstances prevents them from communicating with the instructor, a staff member may reach out to the instructor on the student’s behalf. However, the instructor of the course is still responsible for communicating directly with the student via RU email regarding the incomplete grade and the terms of the I-grade contract.

Students must complete the course requirements by the date that the instructor has set, as indicated in the I-grade contract. If no date is indicated, students must complete the course requirements prior to the end of the following semester.

For work completed within the deadline, the incomplete grade will be removed when:
- The instructor manually updates the final grade using a grade update form, changing the I grade to a letter grade evaluating the student’s academic performance (A, B, C, D, P, F);

OR
- If the instructor does not update the grade before the end of the following semester (excluding summer), the Registrar will convert incompletes that have no grade submitted and no extension granted to the default grade (A, B, C, D, or F). The default grade is the grade submitted by the faculty member at the time when the original incomplete grade was granted. If no default grade is specified, a grade of F will be automatically submitted.

W (withdrawal)
Students may withdraw from a course and receive a grade of “W” upon written request submitted to the Office of the Registrar by the published deadline on the Important Dates and Class Schedules page (https://www.roosevelt.edu/Registrar/ImportantDates.aspx) Approval by a financial aid counselor is also required if the student is receiving financial aid. Students should also inform their instructor of their intention to drop courses.

After the published deadline, no grade of W will be permitted for academic reasons, and the student will be graded solely on academic performance at the end of the term. Stopping attendance or notifying an instructor, advisor, or any other staff or faculty member is not considered an official withdrawal. It may result in receiving a failing grade and being responsible for the full tuition payment. For more details, please see procedures for withdrawals (https://www.roosevelt.edu/current-students/academics/register-classes/) and petitions for late withdrawal for non-academic reasons.
Late Withdrawal
A student wishing to withdraw from a course after the withdrawal deadline has passed may petition for a late W grade. Petitions for a Late Withdrawal are entertained only because of extraordinary non-academic circumstances, such as unforeseen medical or other personal circumstances that have significantly and unexpectedly inhibited the student’s ability to complete the course(s). Students may request a late withdrawal at any time within one calendar year of course completion. The Petition for Late Withdrawal and information on the approval process is available through the Office of the Dean of Students.

Repeated Courses
A student may repeat a course to improve a grade. The grade achieved on the repeated course taken at Roosevelt appears on the academic record, along with the grade from the first attempt. However, only the highest grade earned for the course is used for the calculation of hours earned and in computing the GPA. The policy does not entitle the student to a retroactive degree or honors and does not change the historical recording of academic standing. Students must contact their academic advisor to obtain approval to repeat a course.

For more information, please see the procedures for repeating courses (https://www.roosevelt.edu/current-students/academics/register-classes/). Information on repeated courses’ eligibility for financial aid is available on the Financial Aid web pages (https://www.roosevelt.edu/FinancialAid/Policies/RepeatedCourseWork.aspx)

Changes to Class Sections (replace Cancelled Classes)
The University reserves the right to close sections of classes and/or to add new sections of classes as conditions warrant. In addition, the University reserves the right to change instructors from those listed in the Class Schedule whenever such a change is necessary. If a student is registered for a class that is canceled, that student will be dropped automatically and receive a notification in their Roosevelt email. Students should consult with their advisor to find an alternative course. Students receiving financial aid should consult their counselors regarding implications for their aid.

Graduation policies
Application for Graduation
Students expecting to graduate must complete a graduation application by the published deadline on the Graduation Deadlines webpage. An application is required for degree conferral; the application can be found in RUACCESS. There is a $100.00 late fee applied for applications received after the published deadline; there are no exceptions. Participating in the commencement ceremony is optional and separate from the graduation application and the conferral of a degree.

Commencement Participation
Roosevelt University holds commencement in May. Students may participate in the commencement ceremony within one term of their degree conferral. Students may request to participate in a ceremony outside of their graduation term by contacting Graduation Services and submitting a Ceremony Participation Request Form. Participation is based on space available and is not guaranteed. Contact Graduation Services for more information.

Graduation Fiscal Policy
Students who wish to participate in commencement must be in good fiscal standing with the University in order to participate in the ceremony or receive tickets for guests. Review the university’s Graduation Fiscal Policy (https://www.roosevelt.edu/policies/university-policies/up-3-student-services/up-3-13-graduation-fiscal-policy/) for more information.

Graduating with Honors from Roosevelt University
Although preliminary determination is based on a student’s institutional GPA at the start of their final term, the Latin or Franklin honors notation on the transcript and diploma will be computed on the basis of all coursework attempted at Roosevelt, including the final term. Students who have been readmitted to Roosevelt University under the Forgiveness Policy will be considered for graduation with honors based solely on the grade point average achieved after this readmission.

Effective Fall 2018, graduation with Latin honors at Roosevelt University is calculated on the basis of credit attempted at Roosevelt University only. Undergraduate transfer students must complete a minimum of 60 institutional graded credits (excluding pass/no pass hours) to be eligible for graduation with a Latin honors status.

Latin Honors
• A student who earns a cumulative Roosevelt University grade point average (GPA) of at least 3.850 will be graduated summa cum laude and noted on transcripts.
• A student who earns a cumulative Roosevelt University GPA of at least 3.700 but no higher than 3.849 will be graduated magna cum laude and noted on transcripts.
• A student who earns a cumulative Roosevelt GPA of at least 3.500 grade but no higher than 3.699 will be graduated cum laude and noted on transcripts.

Franklin Honors Society
All Roosevelt University undergraduate students graduating with at least 30 institutional graded credits and a 3.75 GPA or higher are admitted into the Franklin Honors Society, founded in 1956.

Departmental Honors
Departmental Honors is awarded at the Undergraduate level and is based on the GPA within a student’s major program of study.

Honors Program
For students enrolled in the Honors Program, completion of the program is based on capstone project completion. Please visit The Honors Program at Roosevelt University (https://www.roosevelt.edu/current-students/academics/honors-program/) for more information.
GRADUATE

This catalog provides official information on graduate academic programs and policies in effect at the university for the academic year 2020-2021.

What this catalog means for you

The Roosevelt University Academic Catalog ("Catalog") provides information regarding current educational programs, class offerings, academic regulations, and University policies and procedures. This Catalog is revised annually and published online for each academic year.

Graduation requirements are determined by the year you entered Roosevelt University. You may refer to the Catalog for your entering year to determine your program requirements.

Nevertheless, the University expressly reserves the right to change without prior notice the contents of this Catalog, including by changing, phasing out, or discontinuing any policy or program. Such changes may include changes to policies, course, scholastic and admission requirements, tuition and fees, payment plans, examinations, room and board rates, and academic requirements for graduation. If such changes are made, the University will communicate those changes via University email or other widely used media.

Notwithstanding the University’s efforts to communicate changes, each student is expected to make a reasonable effort to familiarize themselves with the Catalog and any of its subsequent revisions, including program and degree requirements pertaining to their majors and with general regulations governing academic work and progress. Students are strongly encouraged to seek information and assistance from appropriate University personnel should they have any questions regarding the Catalog or any of their rights and obligations as a student.

How to use this catalog

• Under the Programs A-Z tab above are the current requirements for graduate programs.
• Under the Courses A-Z tab, above, is current course information, including the number of credit hours and prerequisites. The catalog lists all courses; not all are offered each term. Check the Coursefinder to determine offerings for a specific term.
• Under the Academic Policies tab, above, is information on university-wide policies and links to important procedures such as registering for classes and applying to graduate. The colleges at Roosevelt and each graduate program may also have policies of their own, meaning that it’s important to consult those entries in the catalog as well.
Graduate Admission

Application for graduate study may be made to the Office of Admission (https://www.roosevelt.edu/apply/) online. Students are urged to apply six to 12 months before the semester in which they plan to enroll; the Office of Admission processes applications on a continuous basis.

Requirements and deadlines for admission to graduate degree and certificate programs and the distinct requirements for specific programs are available on the Graduate Admission web page (https://www.roosevelt.edu/admission/graduate/).

DEGREE-SEEKING STUDENTS

Doctoral/Masters applicants

In order to be considered for admission into one of Roosevelt’s doctoral or masters programs, an individual must complete an online application and submit the application fee/appropriate documentation, as outlined by each academic program.

Visit our Academic Programs (https://www.roosevelt.edu/academics/programs) page and find your chosen program to further explore the admission process.

Learn more about the Chicago College of Performing Arts (https://www.roosevelt.edu/admission/ccpa/) and the College of Pharmacy (https://www.roosevelt.edu/colleges/pharmacy/admission/) admission requirements and processes.

International applicants

Students applying to Roosevelt University are considered international if they are not U.S. Citizens and if they require a visa to remain in the United States.

Required documents: All students who have completed coursework outside the United States are required to submit a Foreign Credential Evaluation (https://www.roosevelt.edu/admission/international/foreign-credentials/). Additionally, all individuals who have completed an education outside the United States are required to meet the University’s English Language Proficiency Requirement (https://www.roosevelt.edu/admission/international/english-language-proficiency/). Any coursework completed within the United States also require official transcripts per the Freshmen or Transfer applicant guidelines.

Application Deadlines

For application deadlines please visit the International Student Admissions Requirements (https://www.roosevelt.edu/admission/international/) page.

Roosevelt accepts international students each Fall and Spring semester, except when applying to the College of Pharmacy and Chicago College of Performing Arts.

Financial and Immigration Information

International students who wish to study as an F-1 Student must submit the following additional documents in order to receive a form I-20:

- A photocopy of their passport information page
- Evidence of funds to cover the first year’s tuition, fees, housing and living expenses (books, supplies, insurance, personal items) in the form of bank statements or a letter from the bank
- Affidavit of Support form (if the finances you will be using belong to a parent or other relative)

If the student will have a financial sponsor, the student’s sponsor should complete the Affidavit of Support and submit it with an official bank statement. If you have received a scholarship, you may use this to show part of your funding.

For more information on the admission process for international students please visit the International Admissions web page (https://www.roosevelt.edu/admission/international/).

Readmission applicants

Graduate students who have not enrolled for three consecutive semesters (excluding the summer) must submit a Readmission Application (https://www.roosevelt.edu/admission/apply/#lblSupportTitle) to the Office of the Admission. The Office of Admission will manage the readmission process in partnership with the academic program.

Non-degree seeking students

Student-at-large: a non-degree-seeking student who is admissible and wishes to pursue a limited course of study rather than a graduate degree.

Non-degree status for some colleges or programs requires grade point average compliance and prior permission of the dean of the college and/or the program advisor. Students should check with specific programs or their acceptance of hours earned as a student-at-large, approval of applicable hours, which vary by academic program, is required by a graduate advisor after a student’s admission to degree study.

GENERAL ADMISSIONS INFORMATION

Admission Decisions

Admit: a degree-seeking student whose application is complete and who meets all admission standards of the specific graduate program.

Admit on probation: a degree-seeking student who does not fully meet the admission requirements of the specific college or program to which he/she has applied. A probationary student may be recommended for regular student status by the graduate advisor upon completion of two graduate courses at Roosevelt University with grades of B or higher and a cumulative grade point average of 3.0 on a 4.0 scale, provided the student has met program requirements for continued enrollment. Some colleges do not accept probationary students. Check individual college admission requirements for details.

A student who is pursuing a graduate degree at another college or university may be admitted to do a limited amount of graduate work at Roosevelt upon the written recommendation of the dean of the home institution.
Transfer credit

In most cases, up to 6 credit hours in 30-credit-hour programs and up to 9 credit hours in longer programs may be accepted for transfer credit with the approval of the program advisor. Detailed information is contained in the university’s Transfer Credit Policy (https://www.roosevelt.edu/~media/Files/pdfs/registrar/Transfer-Credit-Policy.pdf). Students should request acceptance of transfer credits during their first advising appointment. Transfer credits may not be accepted after the first semester of study at Roosevelt University.

Coursework at other institutions

Once enrolled as a graduate student at Roosevelt, a student must get permission of the program advisor before taking course work at another university for transfer to Roosevelt.

Change of program

Students are admitted to a specific graduate program and may be required to reapply if they wish to change their program. Change of Program forms (https://www.roosevelt.edu/~media/Files/pdfs/Registrar/GradProgramChange.ashx) are available online and at both campuses in the Admission Office and the Registrar’s Office.

Ethical practices

The Office of Admission at Roosevelt University follows the National Association of College Admission Counseling Statement of Principles of Good Practice and agrees that our employees will:

“Not offer or accept any reward or remuneration from a college, university, agency, or organization for placement or recruitment of students. Members will be compensated in the form of a fixed salary, rather than commissions or bonuses based on the number of students recruited.”

“Accurately represent and promote their schools, institutions or services by providing precise information about their academic majors and degree programs. Such information shall include a factual and accurate description of majors, minors, concentrations and/or interdisciplinary offerings that apply toward the completion of the undergraduate degree.”

Any questions about these policies and procedures should be addressed to Office of Admission (applyru@roosevelt.edu), Roosevelt University.
FINANCIAL AID

Roosevelt offers several options for graduate students to consider in financing their education. While many graduate students fund their education through federal student loans, other possibilities include working as a graduate assistant or in the Federal Work-Study Program, receiving a partial graduate scholarship or participating in an employer-based tuition remission program.

A student interested in any source of financial assistance, including scholarships, student employment, or loans should complete the Free Application for Federal Student Aid (https://fafsa.ed.gov/). Roosevelt’s financial aid priority deadline is January 1 of each year. More information about the financial aid process is available on the Financial Aid web pages (https://www.roosevelt.edu/tuition-aid/). Detailed information on tuition and fees (https://www.roosevelt.edu/tuition-aid/tuition/) is available on the Student Accounts web pages.

Sources of financing for graduate students include:

- **Graduate assistantships**, which involve the student in work for his/her program or department.
- **Tuition reimbursement** through the ROOSTR program, which is described in more detail on the Billing web pages (https://www.roosevelt.edu/current-students/finances/pay-my-bill/).
- **Loans**, both federal and private, which are described on the Financial Aid web pages (https://www.roosevelt.edu/tuition-aid/financial-aid/types-of-financial-aid/).
- **Federal work-study** positions, which are described in more detail on the Student Employment web pages (https://www.roosevelt.edu/current-students/money-matters/student-employment/).
- **Veterans’ educational benefits**, which are described in more detail on the Veterans Services web pages (https://www.roosevelt.edu/current-students/support-services/veterans/).

Federal Return of Title IV Refund Policy

The Federal Refund Policy is applicable to any students that receive federal financial aid funds who withdraw or stop attending completely or before 60 percent of the term has elapsed during the period of enrollment for which the student has been charged. A calculation would be performed to determine the amount of unearned aid that must be returned to Title IV programs.

For official withdrawals, this is the date the course withdrawal form is received by the Office of the Registrar. For unofficial withdrawals, the midpoint of the term is used in the calculation. Roosevelt University must return unearned funds for which it is responsible as soon as possible but no later than 45 days after the date of determination of withdrawal.

To determine the amount of Title IV aid for which the student is eligible, Roosevelt will use the student’s withdrawal date, the amount of aid the student was originally offered, the number of days that comprise the payment period and the number of days the student completed in the payment period.

In any term that you receive all failing grades (grade of ‘F’) you will be asked to verify your attendance. If all of your instructors indicate that you never attended the classes in which you received failing grades - your financial aid will be cancelled and returned to the appropriate source of that aid (if you received a financial aid refund for that term - you will owe the university the full balance of that refund and will not be able to attend in subsequent terms until that balance is paid in full). In any term which you received all failing grades and all of your instructors indicate that you stopped attending classes prior to 61% of the term’s completion, a Title IV Returns calculation will be performed to determine the amount of financial aid that needs to be returned to the federal, state, or other sources from which they were received. This too could result in you owing a balance to the university.

The calculation will be performed using the number of days completed, divided by the number of days comprising the payment period to determine the percentage earned. The percentage earned, subtracted from 100 percent, will be the percentage of unearned aid that must be returned to the Title IV program.

The amount of unearned aid will be returned to the Title IV programs in the following order:
1. Direct Unsubsidized Loan
2. Direct Subsidized Loan
3. Direct PLUS or Grad Plus Loan
4. Federal Pell Grant
5. Federal SEOG
6. Other Title IV Funds

As a result of returning unearned aid, students may owe a balance due to Roosevelt University. Withdrawing from classes not only results in adjustment of current aid but may also affect a student’s eligibility for future aid.

**Post Withdrawal Disbursements:**

If a student does not receive all of the funds that were earned, a Post-withdrawal disbursement may be due. If the Post-withdrawal disbursement includes loan funds, we must get your permission before disbursing. You may choose to decline some or all of the loan funds so that you don’t incur additional debt.

We will automatically use all or a portion of your Post-withdrawal disbursement of grant funds for tuition, fees, and room and board charges. We need your permission to use the Post-withdrawal grant disbursement for all other school charges like the CTA UPass. If you do not give your permission, you will be offered the funds. However, you may still owe a balance.

Satisfactory Academic Progress Policy

One of the conditions to maintain eligibility for financial aid (federal, state, and institutional scholarships, grants, loans, and work) is to meet the requirements of Satisfactory Academic Progress as defined by the federal government. This assessment of your academic record measures your progress towards earning a degree. It is calculated differently from your academic standing (see your Academic Advisor for how your academic standing is calculated).

Components to the Satisfactory Academic Progress Policy

1. You must complete 67% of all of the Roosevelt University hours you register for/attract towards your degree, earning grades of ‘A’, ‘B’, ‘C’, ‘D’, and ‘P’ (completion ratio). Grades of ‘F’, ‘IP’, ‘I’, and ‘W’ do not count. Repeated courses count towards hours attempted and in passed hours when a passing grade is received. You may receive aid for only ONE repeat of a previously passed class. Remedial and ELP courses are counted in hours attempted and counted in hours passed when a passing grade is received.
2. You must maintain an overall cumulative Roosevelt grade point average of 2.0 or higher. Remedial and ELP courses are included in the grade point average calculation. When repeating a class, the highest grade is used in calculating your grade point average.

3. All periods of enrollment are included in these calculations whether or not you received financial aid during those periods. Transfer credits are included in the maximum time-frame calculation.

Monitoring Progress:
Your progress will be assessed at the end of each term.

Financial Aid Warning:
You will be placed on financial aid warning in your next term of enrollment if you do not meet component #1 and/or component #2 above. You will be notified of this status via your Roosevelt email address. You can only receive aid for one semester under this warning status. Financial aid warning lasts until the next time your progress is assessed (at the end of the next term). You will continue to be eligible for financial aid while on financial aid warning.

Financial Aid Termination:
Eligibility for future financial aid will be ended if your cumulative record does not reflect a minimum 67% completion ratio and a minimum cumulative 2.0 Roosevelt grade point average the first time your record is assessed after your financial aid warning term. Eligibility for future aid will also be ended if you fail to meet the terms of your Satisfactory Academic Progress Academic Plan and/or earn zero hours during any given term of enrollment (a term of all grades of "W", "F", "I", or "IP" or any combination of these grades).

In any term that you receive all failing grades (grade of 'F') you will be asked to verify your attendance. If all of your instructors indicate that you never attended the classes in which you received failing grades - your financial aid will be cancelled and returned to the appropriate source of that aid (if you received a financial aid refund for that term - you will owe the university the full balance of that refund and will not be able to attend in subsequent terms until that balance is paid in full). In any term which you received all failing grades and all of your instructors indicate that you stopped attending classes prior to 61% of the term’s completion, a Title IV Returns calculation will be performed to determine the amount of financial aid that needs to be returned to the federal, state, or other sources from which they were received. This too could result in you owing a balance to the university.

Note: Even though you have been terminated for financial aid by federal policy, as long as you remain in good academic standing with the university, you may still be eligible to continue to attend Roosevelt at your own expense. You may also attend another college or university while trying to bring your record back into compliance with the Satisfactory Academic Progress standards.

Maximum Time Frame:
Financial aid eligibility ends when you have attempted 180 total semester credit hours as an undergraduate student (155 for the Bachelor of Professional or General Studies) and 54 as a graduate student whether or not you have been on financial aid warning. The maximum time-frame to receive financial aid is 150% of the total hours required to earn the degree in which you are enrolled. Hours that are transferred in and accepted towards your degree count towards this calculation.

If you earn 0 hours in any given term in which you are enrolled, financial aid eligibility ends immediately whether or not you have been on financial aid warning.

Changing Majors/Second Majors:
Students who have lost their financial aid eligibility due to any of the SAP components noted above and have changed majors may be considered for financial aid by completing the SAP Appeal Form. Students who have lost financial aid eligibility due to exceeding the maximum time-frame limit noted above, and have changed majors or returned to seek another degree may also be considered for financial aid eligibility by completing a SAP Appeal Form (http://catalog.roosevelt.edu/graduate/financial-aid/2019-2020-Satisfactory-Academic-Progress-Appeal.pdf).

Financial Aid Reinstatement:
Financial aid eligibility will be reinstated once an assessment of your academic record confirms it to be in compliance with the Satisfactory Academic Progress Policy (cumulative GPA of 2.0 or higher AND a completion ratio of at least 67% of hours attempted). You may also request a review of your eligibility prior to the next assessment date by contacting the Office of Financial Aid Services. Your request will be reviewed within five (5) business days.

Right to Appeal:
If your eligibility for financial aid has been terminated you may appeal to the Office of Financial Aid Services for consideration for a Financial Aid Probation period based upon extenuating circumstances. These circumstances include, but are not limited to, illness or injury that you may have suffered, death of a relative, or other circumstances that result in undue hardship that can be documented by a third-party professional such as a healthcare provider, counselor, cleric, lawyer, etc. It must be shown that there is a reasonable and established plan to prevent failing to meet the Components of the Satisfactory Academic Progress Policy again. A ‘complete appeal’ is one that is written well and submitted with all relevant documentation. Incomplete appeals (appeals without supporting documentation) will not be reviewed nor responded to. There is a Satisfactory Academic Progress Appeal Form (http://catalog.roosevelt.edu/graduate/financial-aid/2019-2020-Satisfactory-Academic-Progress-Appeal.pdf) available to help facilitate the appeal process.

Complete appeals will be evaluated based on the following criteria:

• Documented evidence to support extenuating circumstances that contributed to the inability to meet one or more of the Components of the Satisfactory Academic Progress Policy.
• Clear and reasonable evidence to support the existence of a plan in place to avoid failing to meet one or more of the Components of the Satisfactory Academic Progress Policy in the future.
• If the appeal is to receive financial aid for hours beyond the Maximum Time Frame, an academic advisor must perform a degree check and include the results and the exact listing of all remaining courses needed to complete the degree with the appeal documentation.
• A quantitative assessment of the ability to bring both Components of the Satisfactory Academic Progress Policy back into compliance by the end of an approved Satisfactory Academic Progress Plan.

Satisfactory Academic Progress Plan:
If your complete appeal is approved and you are allowed to receive financial aid during a Financial Aid Probation period, it will be contingent
upon you complying with a Satisfactory Academic Progress Plan. The plan will specify the exact number of hours that must be completed as well, as the exact grade point average that will be necessary, over the Financial Aid Probation period to bring your record back into compliance with the Components of the Satisfactory Academic Progress Policy. Failure to meet the standards established in the Satisfactory Academic Progress Plan will result in the loss of future financial aid eligibility. Your request will be reviewed within five (5) business days.

**Financial Aid Grievance:**

If you feel that your appeal was not handled properly, you may file a grievance with the Director of Financial Aid Services. You should include all relevant documentation and a written statement of the facts of the case as you see them. Response to your grievance will be reviewed within five (5) business days. The decision of the Director of Financial Aid Services is final.

**Financial Aid code of ethics**

Roosevelt University Financial Aid Services professionals follow ethical guidelines established by both the university and the National Association of Financial Aid Administrators. These policies are available on the Financial Aid web pages (https://www.roosevelt.edu/tuition-aid/).
The Chicago College of Performing Arts provides students with professional artistic training through its three divisions: the Music Conservatory, the Theatre Conservatory, and the Center for Arts Leadership.

In the burgeoning world of downtown Chicago in 1867, the Chicago Musical College, the fourth conservatory to be founded in America, was created by Florenz Ziegfeld, Sr. In 1954 the Chicago Musical College merged with the then nine-year-old Roosevelt College. The theatre and music programs were joined in 1997. In 2000, we chose the name Chicago College of Performing Arts to reflect the shared strength of our creative disciplines and to capture the greatness of the world-class city that is our home.

Today, Chicago College of Performing Arts aspires to be a pre-eminent institution, training and inspiring emerging leaders in the fields of music, theatre, education, composition, and arts administration. Our mission is to graduate students seeking careers in these creative disciplines who are confident, passionate, knowledgeable, and capable of functioning in the professional arena, and who are dedicated to the practice of art in service of the cause of human dignity and to effect positive change in their communities.

**SCHOLARSHIPS**

The College provides financial aid in the form of scholarships in varying amounts, and federal/state grants and loans. Scholarships are most commonly offered at the time of admission, and are based on a combination of the following: faculty assessment at entrance auditions, the academic performance of the student, the Conservatory's enrollment priorities, and analysis of financial need.

Scholarships are renewable until graduation, provided that the student fulfills the requirements for renewal each year. These requirements appear on the scholarship acceptance agreement. CCPA reserves the right to reduce or revoke scholarship if these requirements are not fulfilled.

Students may request an increase in scholarship during the spring semester for the following academic year. Procedures and forms are available from the Assistant Dean for Enrollment and Student Services.

**STUDENT HANDBOOKS**

The College publishes a student handbook each year, which contains important information about organization, operations, procedures, programs, and policies. Each Conservatory also publishes a supplement with information relating to its specific programs and activities. These handbooks are intended as a comprehensive and convenient guide to student life and as a practical guide for planning. They may be found online through the CCPA website (https://www.roosevelt.edu/colleges/ccpa/).

Students should familiarize themselves with the information in the handbooks, as they are expected to understand and adhere to the policies published therein.

**STUDENT CONDUCT**

In addition to serving as a resource for information about University life and services, the Roosevelt University Student Handbook (https://www.roosevelt.edu/current-students/student-life/student-handbook/) describes the expectations for behavior and conduct in the Roosevelt community and outlines the procedures to be followed when these expectations are not met.

The curricula at CCPA are designed to develop and reinforce the habits and protocols that are standard in the professions for which students are being prepared. Continuation in good standing in the degree programs, therefore, relies on the student’s adherence to these standards.

Students are expected to behave appropriately and professionally in all classes, rehearsals, performances, or university functions (including off-campus functions) where students are representing the university through their presence and performance. Failure to do so will be grounds for disciplinary action, including but not limited to warnings, probation, loss of scholarship, or dismissal from the program.

**Music Conservatory**

The Music Conservatory was founded in 1867 as the Chicago Musical College, a conservatory whose primary focus was the intensive and rigorous training of young men and women preparing for careers as professional musicians. In 1954, the Chicago Musical College became part of Roosevelt University, enhancing this tradition by adding the multifaceted educational opportunities afforded by a major university. In 1997, the Chicago Musical College joined with the university’s theatre program to become the College of the Performing Arts; and in 2000, it was renamed The Music Conservatory of Chicago College of Performing Arts. The Music Conservatory and all programs it offers are accredited by the National Association of Schools of Music (NASM), of which it is a founding member.

The Music Conservatory is organized into program areas coordinated by the director. Curricula with a major in performance (piano, string, wind, brass, or percussion instruments, orchestral studies, voice, and classical guitar) and composition lead to the degree of Master of Music. The College also offers post-baccalaureate diplomas in performance, orchestral studies, and opera. A high standard of achievement has been set for all curricula.

For information on the baccalaureate programs, consult the university’s undergraduate catalog.

The Music Conservatory presents more than 150 free concerts and recitals each year, and all are open to the public. A calendar of events is available upon request. To receive monthly updates about Music Conservatory events, please sign up through the CCPA webpage (https://www.roosevelt.edu/ccpa/signup/).

**Admission**

Applicants for the Master of Music degree must hold a Bachelor of Music degree or the equivalent. Qualified students holding a Bachelor of Arts degree with a major in music may be admitted if they fulfill departmental entrance requirements. Students’ programs may be extended by the need to complete undergraduate prerequisite courses in their field of study.

Applicants for the Performance Diploma or the Professional Diploma must hold at minimum the Bachelor of Music degree or the equivalent.
Students who wish to major in performance must present an entrance audition. Students intending to major in composition must submit a portfolio of original works (both recordings and scores, programming or other media where appropriate). Prospective students should contact the CCPA Office of Enrollment and Student Services (ccpaadmissions@roosevelt.edu) and consult the CCPA website (https://www.roosevelt.edu/admission/ccpa/) to obtain the specific audition requirements for each major program.

Before registering for the initial semester, students seeking the Master of Music degree must complete diagnostic examinations in music theory, music history, and analysis. Overview courses, which do not apply toward the master’s degree, are offered for students who need review work in these areas. If the results of the examination indicate the need for overview courses, the student is required to take them in the first semester of residence. Study and review materials for the diagnostic examinations are available online through the Music Conservatory’s website. Other specialized assessments will be conducted according to the student’s major (e.g. language skills, orchestration, sight reading).

International students will be tested for English proficiency upon arrival at the University. Students whose proficiency level does not permit entry into graduate or diploma coursework will enroll for the requisite courses in the University’s English Language Program. Completion of or exemption from all courses in Level III and Composition (Bridge) are required for master’s students. Completion of or exemption from Level II Speaking and Listening and Level II Reading are required for diploma students. Required English coursework must be completed in three or fewer semesters.

### Degree Requirements

All candidates for the Master of Music degree must meet the following requirements:

- Residency and enrollment of two academic years;
- Completion of departmental course requirements;
- Presentation of a recital or thesis composition in fulfillment of program requirements;
- Completion of the Graduate Comprehensive Review, an oral exit comprehensive examination, during the final semester of residency.

The Graduate Comprehensive Review (GCR) focuses on two works of contrasting style selected by the student from the graduate recital program (for performance majors) or two published works by a modern or contemporary composer (for composition majors). The student will analyze and discuss each piece with a faculty committee, integrating its musical content and structural aspects, historical context, and performance features. Prior to the meeting with faculty, the student will submit a two-page narrative statement (one page per example) summarizing her/his interpretations and determination of meaning, as well as the methodology for presenting that meaning. It is expected that the narrative will relate to ideas explored in coursework, lessons, coachings, masterclasses, rehearsals, internships, performances, and other experiences that are brought to music-making.

A, B, and C are considered passing grades for the GCR, subject to the academic requirements outlined below. For any grade of ‘fail,’ the student will receive a detailed report from the faculty committee and will have up to one calendar year, and a maximum of two more attempts, to complete the requirement.

### Grades and Academic Requirements

The grades of A, A-, B+, B, and B- are the only grades that satisfy requirements for the master’s degree or diploma in a student’s major course sequence. Up to two grades of C+ or C in courses outside the major, with a maximum total of six credit hours, are acceptable toward program requirements. Students must maintain a minimum grade point average of 3.0 (B) in all courses applied toward the degree or diploma. A student who fails to maintain a 3.0 average in any one semester will be placed on probation.

Up to nine credit hours of graduate coursework may be accepted in transfer, with the prior approval of the Associate Dean/Director of the Music Conservatory, provided such credit was earned at an accredited college or university and was not applied to another master's degree. All graduate credits offered by the candidate for the master's degree or diploma must have been earned within six calendar years.

Each candidate plans her/his course of study with an adviser. Employed students are expected to limit their course loads to the amount of work they can complete without sacrificing quality.

### Academic policies

Academic policies, practices, and requirements are published each year in the CCPA and Music Conservatory Student Handbooks. The following areas are of particular importance.

#### Attendance

Regular and punctual attendance at classes, rehearsals, and lessons is the academic equivalent of a recognized standard of professional conduct, without which it is not possible to maintain a career in music. The Music Conservatory’s attendance policies are designed to habituate a professional’s sense of responsibility in regards to all school-related commitments and obligations.

Many classes have an attendance requirement, which will appear in the syllabus. Students should be aware, however, that attendance is the expectation in the Music Conservatory, even if attendance does not constitute a portion of the grade. Students should notify their instructors if they are unable to attend classes (e.g., for reasons of illness), and should make up missed assignments promptly.

Perfect attendance in applied music subjects (private lessons) is expected. If a student must cancel a lesson for unavoidable reasons, the instructor should be notified 24 hours in advance when possible. Failure to notify the applied instructor by 9:00 a.m. on the day of the lesson removes any obligation on the part of the teacher to make up the lesson. Regularly scheduled lessons falling on school holidays will be made up; the student and instructor are responsible for making the necessary arrangements. Any student who misses three lessons without properly notifying the instructor will receive an immediate failing grade for the semester. Students who miss three or more lessons with notification will not be permitted to present the jury examination at the end of the semester or to receive a final grade. Students who do not appear for the required jury examination at the end of the semester will receive a failing grade in the course.

Because membership in a performing ensemble entails a responsibility to the director, the other students in the ensemble, and to the Conservatory itself, school functions take precedence over outside activities. Please see Ensembles below for additional information. Students are expected to attend all rehearsals and performances.
Ensembles
Enrollment in ensembles is contingent upon placement and assignment. All students in the Music Conservatory are required to participate in all ensembles to which they are assigned by the associate dean/director and the program heads. Students who are assigned or receive permission to enroll as zero-credit participants in any ensemble will receive a grade; they must complete the same requirements as students enrolled for credit. Assignments are made at the beginning of each semester following placement and seating auditions.

A yearly calendar of ensemble schedules, including all rehearsals and performances, is published and distributed to students and faculty prior to the start of the fall semester. This calendar (called 'The Book') exists in two editions, one for instrumentalists and one for singers. It allows students to plan ahead and to fulfill their required attendance obligations. Excused absences from ensemble services may occasionally be granted (e.g. for competitions, auditions, professional performance opportunities, or illness) with appropriate advance notice and documentation. All requests for excused absences are administered by the Performance Activities Office of the Music Conservatory according to the policies published in the Books.

Performance Classes and Performance Attendance
Departmental performance classes, master classes, and recitals offer students the opportunity to gain experience and poise in public appearances. Attendance at departmental performance classes is required of all students in the Music Conservatory every semester and is a requirement for graduation.

The faculty of the Music Conservatory strongly advocate for student attendance at a wide variety of performances. Music does not exist without the listener, and musicians themselves can help to build the audiences of the future by being contributing members of the listening public. The Music Conservatory’s expectations for performance attendance are dispersed across all programs; each one mandates appropriate attendance at in-house and professional performances through various course syllabi.

Music Composition, MM

Offered in: Chicago

The Music Composition program challenges dedicated individual composers to develop and hone their creative skills. The goals of the program for all students are to:

• Cultivate the ability to utilize all of the building blocks of music (pitch, rhythm, meter, tension and relaxation, formal structure) to create a diverse portfolio of works.
• Gain the necessary professional skills: rehearsal, communication, promotion, publication, and networking.
• Explore various musical languages and styles in pursuit of the formation of their own unique voices.

At the graduate level, the faculty emphasizes the creation of extended works, breadth of technique, and the synthesis of influences, experiences, and abilities that result in the emergence of a personal style. The culminating final project (thesis) is an original composition of significant proportions.

Four public composition recitals each year, as well as multiple opportunities for collaboration with other programs such as dance, piano, instrumental ensembles, and opera, provide students with ample and regular opportunities to work with other musicians to prepare formal performances of their own compositions. The graduate recital demonstrates growth and progress in the student’s portfolio over four semesters of study and the ability to compose works of sophistication and expanded length for larger ensembles. A complete listing of program requirements is published in the Music Conservatory Handbook (https://www.roosevelt.edu/~media/Files/pdfs/college-ccpa/MUSIC-C-HANDBOOK.ashx?la=en/).

Admission Requirements
Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/~/media/Files/pdfs/college-ccpa/MUSIC-C-HANDBOOK.ashx?la=en/) Information web page for audition requirements for composition majors.

Requirements
For the thesis project, the candidate for the Master of Music in composition must compose a work of significant proportions, such as a work of 10-12 minutes for orchestra or wind ensemble; a 15-20 minute work for large chamber ensemble (10-15 performers); or a 15-20 minute electroacoustic work. Two copies of the full score (or recordings and programming if appropriate) and one set of parts must be submitted to the student’s committee by April 1 for spring graduation or November 15 for fall graduation. All candidates must present a recital of original music, including program notes, of at least 30 minutes duration (at least two works). All music on the recital is to be written during the student’s residency at CCPA. The thesis composition may be programmed on the recital. The program for the recital must be approved by the primary composition teacher no later than six weeks in advance of the recital date. During the final semester in residence, students will give a presentation on their composition portfolio and compositional techniques and influences in the Composition Seminar.

The minimum passing grade in the major sequence (MCMP 411 GRADUATE COMPOSITION I through MCMP 414 GRADUATE COMPOSITION IV) is B-.

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Music Performance - Classical Guitar, MM

It is the goal of the Classical Guitar Program to provide the training and background necessary to function in the multifaceted career of a professional classical guitarist. The graduate program's objectives are to:

- develop and refine technical and musical abilities through the study and performance of challenging works from the traditional and modern repertories;
- provide ongoing solo and ensemble performing experiences;
- develop principles and methods for teaching, with emphasis on critical listening, problem-solving, verbal articulation, psychological insights, communication, inspiration, and clarity;
- develop skill to effectively transcribe repertoire from other instruments for guitar.

Graduate applied study is aimed at developing a technically and artistically demanding, as well as stylistically balanced, final recital. All technical studies presented at juries, and all repertory performed injuries and programmed on the recital, are at the discretion of the teacher. For further information, consult the program requirements in the Music Conservatory Student Handbook (https://www.roosevelt.edu/~media/Files/pdfs/college-ccpa/MUSIC-C-HANDBOOK.ashx?la=en/).

Admission requirements

Please consult the CCPA Admission and Audition Information web page for the Classical Guitar audition requirements (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx).

Requirements

The minimum passing grade in the major sequence (GUIT 411 GUITAR (MAJOR) through GUIT 414 GUITAR), as well as three semesters of PERF 451 MASTER OF MUSIC JURY and PERF 428 GRADUATE RECITAL, is B-.

Music Performance - Piano, MM

The goals of the Piano program are to prepare the student for the many facets of a diverse performance career (soloist, collaborative pianist, and
chamber musician) and to provide the student with the musical skills and pedagogical background to become a productive teacher.

The graduate program's objectives are to:

- Develop and refine technical and musical abilities through the study and performance of challenging works from the traditional and modern repertories.
- Provide ongoing solo and ensemble performing experiences; expand the student's knowledge of the family of keyboard instruments and relevant performance practices.
- Introduce principles and methods for teaching adult students, from beginning through advanced levels, including instructional techniques for group piano classes.
- Provide opportunities to investigate musical topics and repertories in academic courses.

No prescribed technical or repertory requirements are in place for graduate students. The four semesters of applied study are directed toward building strengths, addressing areas of weakness or deficiency, and preparing a recital program of major works from the piano repertory that is at least 60 minutes in length and encompasses at least four stylistic periods (including at least one 20th or 21st-century work). For further information, consult the program requirements in the Music Conservatory Student Handbook (https://www.roosevelt.edu/~/media/Files/pdfs/college-ccpa/MUSIC-C-HANDBOOK.ashx?la=en/).

The program requires completion of 40 credits. Students may pursue intensive studies in Collaborative Piano by completing both one-year sequences of background courses and practica in vocal and instrumental collaboration, PERF 461 SEMINAR IN VOCAL COLLABORATION FOR PIANISTS, PERF 462 PRACTICUM IN VOCAL COLLABORATION, PERF 463 SEMINAR: INSTRUMENTAL COLLABORATION FOR PIANISTS, and PERF 464 PRACTICUM IN INSTRUMENTAL COLLABORATION, bringing the total number of credits to 43.

Admission requirements

Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page for audition requirements for piano.

Requirements

The minimum passing grade in the major sequence (PIA 411 PIANO (MAJOR) through PIA 414 PIANO (MAJOR), as well as in three semesters of PERF 451 MASTER OF MUSIC JURY and PERF 428 GRADUATE RECITAL, is B-.

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Music Performance Electives

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credit Hours</th>
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<tr>
<td>ENS 405</td>
<td>CHAMBER MUSIC (PIANO) (two semesters required, as assigned)</td>
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<tr>
<td>or ENS 406</td>
<td>CHAMBER MUSIC (WINDS/BRASS)</td>
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<tr>
<td>or ENS 407</td>
<td>CHAMBER MUSIC (STRINGS)</td>
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<tr>
<td>or ENS 411</td>
<td>LARGE INSTRUMENTAL ENSEMBLE</td>
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<tr>
<td>MPE 430</td>
<td>ADVANCED PIANO PEDAGOGY</td>
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<tr>
<td>PERF 419</td>
<td>INTRODUCTION TO HISTORICAL KEYBOARD INSTRUMENTS</td>
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<tr>
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<tr>
<td>PERF 461 &amp; PERF 462</td>
<td>SEMINAR IN VOCAL COLLABORATION FOR PIANISTS and PRACTICUM IN VOCAL COLLABORATION</td>
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<tr>
<td>PERF 463 &amp; PERF 464</td>
<td>SEMINAR: INSTRUMENTAL COLLABORATION FOR PIANISTS and PRACTICUM IN INSTRUMENTAL COLLABORATION</td>
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<td>PERF 499</td>
<td>GRAD COMPREHENSIVE REVIEW</td>
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</table>

Total Credit Hours 40

1 Music academic electives will include at least one MAS (Music Academic Studies) course. Other 400-level courses from subject areas MCMP (Music Composition), MTA (Music Theory and Analysis), and MUHL (Music History and Literature) may be taken in fulfillment of this requirement.

Year 1

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<td>PIA 412</td>
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<td>MPE 430</td>
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Year 2

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<th>Credit Hours</th>
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Music Performance - Voice, MM

The goals of the Voice program are to train singers who are skilled musicians, performance-ready and technically healthy in their approach to singing, good colleagues, artistically prepared through academic and general coursework and performance opportunities, and knowledgeable about all styles and periods of vocal repertory, including art song, opera, and oratorio.
The graduate program's objectives are to:

- Develop and refine technical and musical abilities through the study and performance of challenging works from the traditional and modern repertories.
- Provide ongoing solo and ensemble performing experiences, including OperaFest, the spring opera, chamber music, and a public recital.
- Develop the student's collaborative skills in recital, chamber, and opera performances.
- Develop the skills to investigate musical topics and repertories in academic courses.

Over the course of four semesters of applied study, all works and technique are at the discretion of the teacher. The recital program must include 50 minutes of music, sung in at least four languages (including English), encompassing at least four stylistic periods and arranged in chronological order. Two arias from the classic period or later may be presented. The first jury of the second year serves as the recital permission jury; the complete program is submitted for approval by the faculty, and a significant portion of the program must be memorized. For additional information, consult the voice jury and recital requirements published in the Music Conservatory Student Handbook [https://www.roosevelt.edu/~media/Files/pdfs/college-ccpa/MUSIC-C-HANDBOOK.ashx?la=en/].

Admission requirements

Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page for audition requirements for singers.

Students' level of knowledge and ability in English, Italian, German, and French diction will be assessed prior to the first semester in residence; review courses in these areas, to be taken concurrently with the master's degree coursework, may be required.

Grade and other requirements

Proficiency in the Italian, German, and French languages is required for voice majors. It is expected that students will have taken at least one semester of college-level study in one of these languages, and at least one year of college-level study in the other two, as part of their undergraduate programs. Students who have not achieved this proficiency will be required to complete these courses before graduation, in addition to the coursework shown below. Options for the fulfillment of language deficiencies are outlined in the Music Conservatory Student Handbook (https://www.google.com/url?q=https://www.roosevelt.edu/~media/Files/pdfs/CCPA/Music_Student_Forms/MUSIC-C-HANDBOOK1516.ashx%3Fla%3Den%26sa%3DU). The minimum passing grade in the major sequence (VOI 411 VOICE (MAJOR) through VOI 414 VOICE (MAJOR), as well as in three semesters of PERF 451 MASTER OF MUSIC JURY and PERF 428 GRADUATE RECITAL, is B-.

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<td>VOI 413</td>
<td>VOICE (MAJOR)</td>
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<tbody>
<tr>
<td>PERF 451</td>
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<td>PERF 428</td>
<td>GRADUATE RECITAL</td>
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<tr>
<td>VOI 400</td>
<td>GRADUATE PERFORMANCE CLASS (four semesters required)</td>
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<td>VOI 399</td>
<td>VOCAL COACHING (four semesters required)</td>
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<td>STYLE AND LITERATURE</td>
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<td>PERF 425</td>
<td>THE OPERATIC SINGING ACTOR</td>
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<td>PERF 427</td>
<td>OPERA ENSEMBLE (four semesters)</td>
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<td>PERF 471</td>
<td>TOWARD THE PROFESSIONAL SINGER (two semesters)</td>
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<tr>
<td>PERF 481</td>
<td>TOPICS FOR PROFESS SINGER (two semesters)</td>
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<tr>
<td>PERF 499</td>
<td>GRAD COMPREHENSIVE REVIEW</td>
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Total Credit Hours 40

Music academic electives will include a minimum of one MAS (Music Academic Studies) course. Other 400-level courses in subject areas MCMP (Music Composition), MTA (Music Theory and Analysis), and MUHL (Music History and Literature) may be taken in fulfillment of this requirement.

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<td>PERF 427</td>
<td>1 PERF 427</td>
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<td>PERF 471</td>
<td>1 VOI 399</td>
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<th>Spring Credit Hours</th>
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<td>3 VOI 414</td>
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<td>1 PERF 428</td>
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<td>PERF 427</td>
<td>1 PERF 427</td>
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Total Credit Hours 40
Music Performance – String/Wind/Brass Instruments, Harp, and Percussion, MM

The purpose of the Orchestral Instrument Performance Programs at CCPA is to prepare students for careers as solo, chamber, and ensemble performers, and to routinize in students the habits consistent with success in the professional environment. The graduate program’s objectives are to:

- develop and refine technical and musical skills with study and performance of challenging and advanced repertory;
- provide ongoing ensemble performing experiences, with higher expectations for leadership in collaborative musical situations;
- prepare students for the rigorous demands of the music profession by teaching the discipline and self-motivation necessary to achieve excellence;
- introduce students to the traditions, operations, practices, and opportunities of the professional symphony orchestra;
- provide opportunities to investigate topics and repertories in advanced coursework.

Development of repertory and technique is assessed at juries, and at the recital presented in the fourth semester. The recital must include 60 minutes of music; the program is at the discretion of the major teacher in consultation with the area program head where applicable. Jury and recital requirements are published in the Music Conservatory Student Handbook (https://www.roosevelt.edu/~media/Files/pdfs/college-ccpa/MUSIC-C-HANDBOOK.ashx?la=en/).

Admission Requirements

Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information webpage for audition requirements for orchestral instrumentalists.

Requirements

The minimum passing grade in the major sequence (Applied Music 411-414; three semesters of PERF 451 MASTER OF MUSIC JURY, and PERF 428 GRADUATE RECITAL) is B-.

1. Music academic electives will include a minimum of two MAS (Music Academic Studies) courses. Other 400-level courses in subject areas MCMP (Music Composition), MTA (Music Theory and Analysis), or MUHL (Music History and Literature) may be taken in fulfillment of this requirement.

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<td></td>
<td>Double Bass Only</td>
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<tr>
<td>PERF 435</td>
<td>ORCHESTRAL EXCERPTS · BASS (four semesters)</td>
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<td>Harp Only</td>
<td>PERF 401 ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTORY I</td>
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<td></td>
<td>PERF 402 ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTORY II</td>
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<tr>
<td>Violin, Viola, and Violoncello Only</td>
<td>Orchestral Excerpts (two semesters)</td>
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<tr>
<td>Violin, Viola, Violoncello, Winds, Brass, and Percussion Only</td>
<td>Chamber Music (four semesters)</td>
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Year 1

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<td>Orchestral Excerpts (Violin, Viola, and Violoncello only)</td>
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Year 2

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Total Credit Hours 39-41

1. Music academic electives will include a minimum of two MAS (Music Academic Studies) courses. Other 400-level courses in subject areas MCMP (Music Composition), MTA (Music Theory and Analysis), or MUHL (Music History and Literature) may be taken in fulfillment of this requirement.
Orchestral Excerpts (Violin, Viola, and Violoncello only)

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Total Credit Hours 41


**Year 1**

**Fall**

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**Performance Class for Applied Area**

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**Spring**

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**Performance Class for Applied Area**

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**Total Credit Hours 39**

**Orchestral Studies, MM**

The Orchestral Studies program prepares students majoring in violin, viola, violoncello, harp, double bass, flute, oboe, clarinet, bassoon, trumpet, horn, trombone, tuba, or percussion for careers as orchestral musicians. In addition to sustaining the graduate-level objectives of the Orchestral Instruments areas (see /graduate/performing-arts/music-performance-string-wind-brass-instruments-harp-percussion-mm/) (p. 226) it possesses the distinctive feature of intensive focus on the preparation of orchestral repertory and excerpts through an additional half-hour private lesson component and a weekly class devoted specifically to audition preparation.

Orchestral Studies majors will fulfill the jury and recital requirements for their program area. In addition, each semester they will present an excerpt jury, performing eight excerpts, chosen in consultation with the applied teacher. For further information, consult the program requirements in the Music Conservatory Student Handbook (https://www.roosevelt.edu/~media/Files/pdfs/college-ccpa/MUSIC-C-HANDBOOK.ashx?la=en/).

**Admission Requirements**

In order to be considered for acceptance to the program, students must demonstrate significant familiarity with, and accomplishment in, orchestral excerpts and repertory, in addition to presenting the solo audition requirements for their instrument as published on the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page.

**Grade Requirements**

The minimum passing grade in the major sequence (Applied Music 411-414, PERF 401-404, three semesters of PERF 451 MASTER OF MUSIC JURY, four semesters of PERF 420 MM ORCHESTRAL EXCERPTS JURY, two semesters of PERF 405 ORCHESTRAL AUDITION WORKSHOP and PERF 428 GRADUATE RECITAL) is B-.

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<tr>
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<th>Credit Hours</th>
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<tbody>
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<tr>
<td>PERF 401</td>
<td>ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTOIRE I</td>
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<tr>
<td>PERF 402</td>
<td>ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTOIRE II</td>
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<td>PERF 403</td>
<td>ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTOIRE III</td>
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<td>PERF 404</td>
<td>ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTOIRE IV</td>
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<tr>
<td>PERF 420</td>
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<td>ORCHESTRAL AUDITION WORKSHOP (two semesters)</td>
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<tr>
<td>PERF 424</td>
<td>ORCHESTRAL SEMINAR II</td>
<td>1</td>
</tr>
</tbody>
</table>
Performance Diploma, PED (Instrumental)

The Performance Diploma is a two-year post-baccalaureate certificate program designed for the accomplished instrumentalist who wishes to continue performance studies at an advanced level. The program is open to students majoring in classical guitar, piano, and orchestral instruments (string, harp, wind, brass, and percussion). Its objectives are to provide an intensive period of performance study and to allow students to concentrate on repertoires and genres of their choice (solo, solo/orchestral, or chamber music).

All repertory for study and performance is at the discretion of the major teacher. Two full recitals will be given, one at the end of each year in residence.

String, wind, brass, and percussion majors must enroll for both large and small ensembles each semester of residence.

Admission requirements

Please consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information webpage for audition requirements for the performance diploma.

Grade requirements

The minimum passing grade in Applied Music 451-454, PERF 452 DIPLOMA JURY (when required) and in PERF 418 is B-.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Music</td>
<td>Major Instrument I-IV and PERF 452 when required</td>
<td>24</td>
</tr>
<tr>
<td>PERF 418</td>
<td>SOLO PERFORMANCE (two recitals, in the second and fourth semesters)</td>
<td>4</td>
</tr>
<tr>
<td>Ensembles</td>
<td>as assigned (orchestral instruments majors are subject to assignment in both large and small ensemble each semester)</td>
<td>4-8</td>
</tr>
<tr>
<td>Music electives</td>
<td>(two non-academic courses in the first and third semesters)</td>
<td>2-6</td>
</tr>
</tbody>
</table>

Total credit hours: 36-44

Full-time enrollment requires at least 9 credits for the semester. The minimum number of credits for graduation is 36.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Instrument</td>
<td>3</td>
<td>411 Applied</td>
</tr>
<tr>
<td>PERF 451</td>
<td>1</td>
<td>PERF 451</td>
</tr>
<tr>
<td>PERF 401</td>
<td>1</td>
<td>PERF 402</td>
</tr>
<tr>
<td>PERF 420</td>
<td>1</td>
<td>PERF 420</td>
</tr>
<tr>
<td>ENS 402 or 411</td>
<td>1</td>
<td>ENS 402 or 411</td>
</tr>
<tr>
<td>ENS 4XX</td>
<td>1</td>
<td>Chamber Music</td>
</tr>
<tr>
<td>Performance</td>
<td>0</td>
<td>Performance</td>
</tr>
<tr>
<td>PERF 423</td>
<td>1</td>
<td>PERF 424</td>
</tr>
<tr>
<td>MAS 401</td>
<td>3</td>
<td>Music Academic Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total credit hours: 12</td>
</tr>
</tbody>
</table>

Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Instrument</td>
<td>3</td>
<td>413 Applied</td>
</tr>
<tr>
<td>PERF 451</td>
<td>1</td>
<td>PERF 428</td>
</tr>
<tr>
<td>ENS 402 or 411</td>
<td>1</td>
<td>ENS 402 or 411</td>
</tr>
<tr>
<td>PERF 403</td>
<td>1</td>
<td>PERF 404</td>
</tr>
<tr>
<td>PERF 420</td>
<td>1</td>
<td>PERF 420</td>
</tr>
<tr>
<td>PERF 405</td>
<td>2</td>
<td>PERF 405</td>
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<tr>
<td>Performance</td>
<td>0</td>
<td>Performance</td>
</tr>
<tr>
<td>Class</td>
<td>0</td>
<td>Class</td>
</tr>
<tr>
<td>Music Academic Elective</td>
<td>3</td>
<td>PERF 499</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total credit hours: 12</td>
</tr>
</tbody>
</table>

Total Credit Hours: 46
Credits for Guided Electives may vary between 1-3 credits.

Professional Diploma in Opera

The Professional Diploma in Opera is a collaborative program offered in cooperation with the Chicago Opera Theater. It is a two-year post-baccalaureate certificate program that provides singers and pianists of exceptional career promise continued guidance in their development as artists. It is intended for young singers with a significant level of vocal training and potential who are seeking an operatic career, and pianists with a significant level of language skill and background in the operatic repertory.

Program participants are guaranteed to receive professionally compensated experience as Young Artists with Chicago Opera Theater.

Program components include weekly voice lessons, vocal and dramatic coaching, and seminars and master classes concentrating on audition preparation and other professional development topics.

Admission Requirements

Students who audition for the program must be admitted by the CCPA faculty for post-baccalaureate level study, and must also be deemed acceptable by the general director and music director of Chicago Opera Theater for its Young Artist Program. For additional information, consult the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page.

Requirements

The diploma consists of 24 credit hours and is considered a full-time program. During both the first and second years, students will take voice lessons, performance classes, and private musical and dramatic coaching. Students will also function as Young Artists at Chicago Opera Theater, where they will understudy lead roles in current repertoire and perform small roles, chorus, ensemble and community engagement work as assigned by the artistic administration.

The minimum passing grade in Applied Music 451-454 is B-.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIA 451</td>
<td>PIANO (ARTIST DIPLOMA)</td>
<td>4</td>
</tr>
<tr>
<td>PIA 452</td>
<td>ARTIST DIPLOMA PIANO</td>
<td>4</td>
</tr>
<tr>
<td>PIA 453</td>
<td>ARTIST DIPLOMA PIANO</td>
<td>4</td>
</tr>
<tr>
<td>PIA 454</td>
<td>PIANO (ARTIST DIPLOMA)</td>
<td>4</td>
</tr>
<tr>
<td>PERF 478</td>
<td>OPERA VOCAL COACHING (four semesters)</td>
<td>4</td>
</tr>
<tr>
<td>PERF 488</td>
<td>DRAMATIC COACHING OF OPERA REPERTORY (four semesters)</td>
<td>4</td>
</tr>
</tbody>
</table>

Professional Diploma in Orchestral Studies

The highly selective two-year post-baccalaureate Orchestral Studies certificate program is open to students majoring in violin, viola, violoncello, double bass, harp, flute, oboe, clarinet, bassoon, horn, trumpet, trombone, tuba, or percussion, who are preparing for careers as orchestral musicians. The program possesses the distinctive feature of intensive focus on the preparation of orchestral repertory and excerpts through an additional half-hour private lesson component and a weekly class devoted specifically to audition preparation.

Professional Diploma students will fulfill the jury and recital requirements for their program area. In addition, each semester they will present an excerpt jury, performing eight excerpts, chosen in consultation with the applied teacher. For further information, consult the program requirements in the Music Conservatory Student Handbook (https://www.roosevelt.edu/~media/files/pdfs/college-ccpa/MUSIC-C-HANDBOOK.ashx?la=en/).

Admission Requirements

In order to be considered for acceptance to the program, students must demonstrate significant familiarity with, and accomplishment in, orchestral excerpts and repertory, in addition to presenting the solo audition requirements for their instrument as published on the CCPA Admission and Audition (https://www.roosevelt.edu/Admission/CCPA/Auditions.aspx) Information web page.
Grade and Other Requirements

The minimum passing grade in the major applied sequences (Applied Music 451-454, PERF 452 DIPLOMA JURY when required, PERF 411-414, PERF 420 MM ORCHESTRAL EXCERPTS JURY, and PERF 418 SOLO PERFORMANCE) is B-.

The minimum passing grade in PERF 405 ORCHESTRAL AUDITION WORKSHOP is B-.

Large ensemble participation is required every semester in residence. Students may also be assigned to chamber music ensembles.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Music 451 (Major Instrument I)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Applied Music 452 (Major Instrument II)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Applied Music 453 (Major Instrument III)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Applied Music 454 (Major Instrument IV)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Performance Class (four semesters required) for applied area</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>PERF 418</td>
<td>SOLO PERFORMANCE</td>
<td>2</td>
</tr>
<tr>
<td>ENS 402 or ENS 411</td>
<td>SYMPHONY ORCHESTRA</td>
<td>4</td>
</tr>
<tr>
<td>PERF 405</td>
<td>ORCHESTRAL AUDITION WORKSHOP (three semesters)</td>
<td>6</td>
</tr>
<tr>
<td>PERF 411</td>
<td>ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL EXCERPTS I</td>
<td>1</td>
</tr>
<tr>
<td>PERF 412</td>
<td>ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL EXCERPTS II</td>
<td>1</td>
</tr>
<tr>
<td>PERF 413</td>
<td>ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL EXCERPTS III</td>
<td>1</td>
</tr>
<tr>
<td>PERF 414</td>
<td>ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL EXCERPTS IV</td>
<td>1</td>
</tr>
<tr>
<td>PERF 420</td>
<td>MM ORCHESTRAL EXCERPTS JURY (four semesters)</td>
<td>4</td>
</tr>
<tr>
<td>PERF 423</td>
<td>ORCHESTRAL SEMINAR I</td>
<td>1</td>
</tr>
<tr>
<td>PERF 424</td>
<td>ORCHESTRAL SEMINAR II</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credit Hours 38

Theatre Conservatory

The Theatre Conservatory of the Chicago College of Performing Arts is distinctively positioned to educate and train its students within a professional conservatory setting, offering baccalaureate program as well as the MA in Theatre Directing.

Roosevelt University's Chicago campus is the home of the acclaimed Auditorium Theatre and the blockbuster hits Les Miserables, Phantom of the Opera, Miss Saigon, and Show Boat. Centered within the heart of downtown Chicago, one of America's greatest theatre cities and home to approximately 200 professional theatre companies, the campus is within walking distance of world-class arts institutions such as the Goodman Theatre, the Chicago Symphony Orchestra, the Art Institute of Chicago, and the Lyric Opera.

The Theatre Conservatory presents a full season of mainstage and studio productions during the fall and spring, and all are open to the public. A calendar of events is available upon request, and monthly updates about Theatre Conservatory performances are available by signup through the CCPA webpage (https://www.roosevelt.edu/ccpa/signup/).

Admission

Admission to Roosevelt University does not necessarily include admission to the Theatre Conservatory. The student entering the MA program must be a working high school theatre or drama instructor, and must present a successful interview, audition, and three letters of recommendation.

Academic requirements

The only acceptable grades for MA students are A, A-, B+, B, and B-.

Grades of C+ or C will be reviewed by the associate dean/director of the Theatre Conservatory, in consultation with program faculty, to determine if the student is required to repeat that course. A maximum of two such grades may be applied toward the MA requirements. Grades of C- or lower are unsatisfactory and may not be applied toward degree requirements.

Receiving an unsatisfactory grade in a Theatre Conservatory course will be grounds for disciplinary action; receiving an unsatisfactory grade for a second time in the same class may result in dismissal from the Theatre Conservatory. Students should review the grade policies in the Theatre Conservatory Student Handbook (https://www.roosevelt.edu/colleges/ccpa/theatre-conservatory/) for further information.
Attendance

Punctual attendance at all classes and rehearsals is an important element of the discipline needed for a career in the performing arts and is an important sign of respect for instructors, directors, colleagues, and oneself.

In the Theatre Conservatory, for classes that meet once a week, a student’s final grade will be lowered by one-half letter for every absence after one. For classes that meet twice a week, a student’s final grade will be lowered by one-half letter for every absence after two. In both cases, two instances of tardiness are the equivalent of one absence.

Beyond these generic guidelines, any instructor may implement additional attendance policies, which will be published in the class syllabus.

Health policy

Successful completion of coursework and degree programs in the Theatre Conservatory requires that a student be in good psychological and physical health, and have the stamina required to participate safely.

The conservatory recommends that students undergo regular medical checkups and report any preexisting vocal, physical, or psychological conditions that might affect their work to the appropriate Theatre faculty member.

Because of the specialized nature of the work involved in theatre training, a general physical examination might not be sufficient to detect conditions such as vocal or orthopedic pathologies. When deemed necessary by a faculty member, students will be required to consult a specialist of the student’s choice, in order to ensure that participation in coursework or rehearsals will not compromise the student’s health. In cases where such a recommendation is made, a faculty member has the option of requiring documentation from a medical professional verifying that continued participation in training work in the conservatory is not contraindicated before the student will be allowed to re-enter the class or rehearsal.

The Theatre Conservatory faculty and the college administration will work with students to make reasonable accommodations to assignments and schedules in order to allow for necessary vocal, physical, or psychological rehabilitation. If, however, severe pathological conditions prevent satisfactory participation and/or completion of courses or the degree, a student may be required to take a leave of absence until sufficient health is regained. This determination is made by the associate dean/director of the Theatre Conservatory, in consultation with appropriate faculty and staff.

In cases where the seriousness of the condition makes a leave of absence inappropriate, a student may be dismissed from the program. This determination will be made by the associate dean/director of the Theatre Conservatory, in consultation with appropriate faculty and staff.

Theatre Directing, Fast Track MA

The Theatre Conservatory at Roosevelt University offers a Fast-Track Master of Arts degree in Theatre Directing to serve the needs of highly motivated theatre educators. In three intensive six-week summer sessions over a three-year period, students complete 30 credit hours of required coursework. Students then complete their thesis productions for an additional 3 credit hours at their own schools. An appropriate representative of the faculty of The Theatre Conservatory comes to each candidate’s school to jury the thesis production.

The Fast Track faculty includes Theatre Conservatory professors and working professionals from the Chicago theatre community. The program stresses practical training for the secondary educator in tandem with special workshops and lectures with professionals in the field. Enrollment in the program is limited.

As an integral component of the Fast-Track program, students are taken to various Chicago area theatres to view productions as an extension of the classroom experience. Opportunities to meet the actors, directors, and others involved in the productions are included as a part of the theatre-going experience when possible.

Admission

Requirements for admission to the MA program in theatre directing include a resume, an essay, a mini-portfolio, letters of recommendation, and official undergraduate transcripts.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THAR 400</td>
<td>SPECIAL PROBLEMS IN THEATRICAL PRODUCTION I</td>
<td>4</td>
</tr>
<tr>
<td>THAR 401</td>
<td>PROBLEMS IN THEATRICAL PRODUCTION II</td>
<td>4</td>
</tr>
<tr>
<td>THAR 402</td>
<td>DRAMATURY &amp; PRODUCTION PREPERATION</td>
<td>4</td>
</tr>
<tr>
<td>THAR 406</td>
<td>STAGE MOVEMENT AND COMBAT</td>
<td>3</td>
</tr>
<tr>
<td>THAR 407</td>
<td>VOICE AND BODY TRAINING</td>
<td>3</td>
</tr>
<tr>
<td>THAR 408</td>
<td>PERIOD STYLES</td>
<td>3</td>
</tr>
<tr>
<td>THAR 411</td>
<td>STAGE DIRECTION: LITERARY ADAPTATION</td>
<td>3</td>
</tr>
<tr>
<td>THAR 448</td>
<td>STAGE DIRECTING I</td>
<td>3</td>
</tr>
<tr>
<td>THAR 449</td>
<td>STAGE DIRECTING II</td>
<td>3</td>
</tr>
<tr>
<td>THAR 494</td>
<td>THESIS PRODUCTION/PROJECT</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>33</strong></td>
<td></td>
</tr>
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</table>

For the Fast Track rotation schedule, contact the CCPA Admission Office at (312) 341-6735.

Center for Arts Leadership

The Center for Arts Leadership is a multi-faceted division whose mission is to educate the new generation of socially conscious artistic leadership, and to facilitate and support the development of the university’s core dispositional concepts as they are manifested in the artist-citizen:

- Community/citizenship.
- Ethics/values.
- Cultural identity.
- Life-long learning and personal development.

The director of the Center for Arts Leadership supports and facilitates, in consultation with faculty, experiential learning opportunities that actively engage and empower students through coursework as well as student-designed projects that emerge directly from curricula. Through the Center, students can earn grants for professional development, receive funding for social justice start-up projects, perform community engagement
initiatives, and connect with guest artists through workshops and special events.

The center manages the following areas and activities for students enrolled in the baccalaureate and graduate programs of the Chicago College of Performing Arts:

- Master of Arts in Performing Arts Administration.
- Community engagement performance opportunities.
- Career and professional development activities.
- Student-designed initiatives and productions.

Performing Arts Administration, MA

The Master of Arts in Performing Arts Administration is designed to hone the skills of current and aspiring administrators in the performing arts field. It is open to students with an earned baccalaureate degree who are employed in the field of arts management or seek a career in that field.

The program develops leaders who understand and can manage the rapidly changing dimensions of 21st-century arts administration. Students within the program will take a broad range of courses in the areas of marketing, public relations, finance, development, technology, community engagement, organizational development, leadership, and facilities operations. Its unique nature lies in the hybrid structure of both online and in-person courses, as well as a faculty of expert practitioners, who are leading administrators with national and internationally prominent arts organizations.

Admission Requirements

Applicants must hold an earned baccalaureate degree in a relevant field with a minimum undergraduate GPA of 3.0 on a 4.0 scale. Each applicant will be required to submit a resume and a Statement of Purpose describing their goals and aspirations and how this Program will help them achieve those goals.

Program Requirements

The program requires 30 credit hours of coursework, including a final capstone project, and two summer mini-residences of two weeks each. The period necessary for completion of the program comprises four consecutive terms: Summer I, Fall, Spring, and Summer II. The successful applicant may opt to take this Program in a one-year period in four consecutive terms or over a two-year period. If the two year period is chosen, the first summer mini-residency consisting of ARTM 450 and ARTM 455 is a pre-requisite to continue with the other courses. In addition the last course ARTM 495 must be taken as the last course.

Students must maintain a 3.0 cumulative GPA. Up to two grades below B- may be counted toward fulfillment of program requirements. However, a third grade below B- will result in dismissal from the program.

After completing all other required courses, the student will design a Capstone Project consisting of both written and oral presentations. This project will integrate the learnings from program coursework and allow students to demonstrate their competency in applying solutions to a practical case study.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTM 450</td>
<td>THE ARTISTIC COMPONENT</td>
<td>3</td>
</tr>
<tr>
<td>ARTM 455</td>
<td>ORGANIZATIONAL DEVELOPMENT AND HUMAN RESOURCES</td>
<td></td>
</tr>
<tr>
<td>ARTM 460</td>
<td>MARKETING AND PUBLIC RELATIONS FOR ARTS MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>ARTM 465</td>
<td>FUNDAMENTALS OF FINANCE</td>
<td>3</td>
</tr>
<tr>
<td>ARTM 470</td>
<td>FACILITIES MANAGEMENT AND OPERATIONS</td>
<td>3</td>
</tr>
<tr>
<td>ARTM 475</td>
<td>FUNDRAISING AND DEVELOPMENT FOR ARTS ORGANIZATIONS</td>
<td></td>
</tr>
<tr>
<td>ARTM 480</td>
<td>TECHNOLOGY STRATEGY AND ITS ROLE IN THE ARTS</td>
<td>3</td>
</tr>
<tr>
<td>ARTM 485</td>
<td>EDUCATION AND COMMUNITY ENGAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>ARTM 490</td>
<td>BUSINESS MANAGEMENT METHODS</td>
<td>3</td>
</tr>
<tr>
<td>ARTM 495</td>
<td>CAPSTONE:SYNTHESIS OF LEARNING</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
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<td>30</td>
</tr>
</tbody>
</table>
College of Arts and Sciences

Graduate programs in the College of Arts and Sciences (CAS) enable students to complete formal degrees, prepare for doctoral programs, study for professions or continue lifelong learning. To prepare students for rewarding work or advancement in their fields, the college offers courses in the traditional arts and sciences as well as in emerging professional and technical areas.

CAS graduate students thrive on the intellectual energy and cultural diversity that are hallmarks of Roosevelt. They develop close-knit relationships with the faculty and their peers to support each other’s passions and interests.

The CAS graduate community is naturally curious about each other’s pursuits and respectful of each other’s differences. It is a collaborative, welcoming community where faculty and students openly share ideas and grow intellectually and personally.

Program Admission
Prospective students should apply for admission through Roosevelt University’s online application portal. Our CAS Graduate Admission Team is available for assistance. Each graduate program in the College of Arts and Sciences has its own screening procedures and requirements for admission. Further information is available on the program webpages at roosevelt.edu and from the CAS Graduate Admission Team (casgradstudy@roosevelt.edu).

Readmission
All graduate students who have been absent for three consecutive semesters (excluding the summer) must submit a Readmission Application available online to the Office of the Registrar and contact a graduate admission counselor (casgradstudy@roosevelt.edu) for readmission to the college program.

Program Completion
Masters programs require completion within six years and ten years for doctoral programs unless an exception is formally approved by the specific program. Students must petition for a degree completion extension for continuation.

Policies and Procedures
Please consult the Academic Policies section of the Graduate Academic Catalog for many university policies and procedures. Furthermore, individual programs offer programmatic policies and procedures important for graduate students, such as program-specific information related to transfer credit, internship, and minimum standards. Contact the Program Director for more information about a specific graduate program.

Actuarial Sciences, BS/MS Accelerated Program

The mathematics and actuarial science faculty at Roosevelt offers an accelerated BS in Actuarial Science (p. 64)/MS in Actuarial Science (p. 233) program to eligible students. Students entering this program can earn both a bachelor’s and master’s degree in less time than earning these degrees separately would require.

Students apply to this accelerated program at the end of their sophomore years and are accepted into the degree program during their junior years (after having completed at least 60 credit hours), then begin enrolling in graduate courses in their senior years (after completing at least 75 credit hours) and complete the requirements for the MS degree in their fifth years.

As undergraduates, eligible students may earn 9 credit hours (taking three graduate-level courses), which are applied toward both the undergraduate degree and the graduate degree. Graduate courses taken during the student’s senior year will depend on the courses the student has remaining to complete in the undergraduate degree in actuarial science. Once the student completes the BS, the graduate-level courses taken as an undergraduate will be transferred to the student’s MS transcript.

Admission
Applicants must have a desire to become professional actuaries and must be either:

1. Actuarial Science (p. 64) majors at Roosevelt University, minoring in both Finance (p. 203) and Computer Science (p. 146), having a 3.25 GPA (or better) in all actuarial science or mathematics courses taken at Roosevelt, with a minimum of three of these courses by the time of application, or other evidence of scholarly capability. Students should apply at the end of their sophomore years.

2. High school students accepted into the BS in Actuarial Science with a 3.5 GPA (or higher) and a 25 ACT (or higher), or other evidence of scholarly capability.

3. Transfer students who have completed Calculus 1-3 (equivalent to MATH 231 CALCULUS I, MATH 232 CALCULUS II, and MATH 233 CALCULUS III at Roosevelt) having a 3.25 GPA (or better) in all actuarial science or mathematics courses taken at the college level. Students should contact the department chair at Roosevelt indicating their intent to apply. Many community colleges have specific articulation agreements with Roosevelt, and so students are encouraged to also discuss their degree plans with their transfer coordinator.

Accepted students must also agree to finish their MS program at Roosevelt and maintain good standing in master’s-level courses.

Acceptance into the program will be decided by a departmental committee.

Degree awards
The BS is awarded when all undergraduate requirements are completed (with substitution of three graduate-level courses for three undergraduate courses). The MS is awarded when all graduate requirements are completed.

Application deadline: May 1

Actuarial Sciences, MS

Actuaries use quantitative tools to analyze and plan for future financial situations. The MS program in Actuarial Science is designed to train students in the background knowledge necessary to become an actuary.

Risk analysts and actuaries are expected to earn professional designation from either the Society of Actuaries (http://www.soa.org/) (life and health insurance) or the Casualty Actuarial...
Society (http://www.casact.org/) (property and casualty insurance). These societies administer a series of examinations that lead to the risk analyst designation, or for actuaries, first to the designation of associate and then to fellow. The initial exams are the same for both societies. The courses required for the MS in Actuarial Science will aid the student in preparing for the first four of the professional societies’ examinations and will also satisfy their Validation by Educational Experience (VEE) (https://www.soa.org/education/exam-reg/edu-vee.aspx) requirements in economics, corporate finance, and mathematical statistics.

Actuarial Science involves the application of probability theory and risk management to the areas of life and health insurance, property and casualty insurance, pension plans, and other employee benefit plans. Risk analysts and actuaries, who evaluate the long-term financial impact of these plans on both the issuing company and the purchaser or beneficiary of the plan, are employed by insurance companies, consulting firms, large corporations, and governmental agencies. The Masters in Actuarial Science emphasizes the mathematical theory that underlies risk evaluation.

The program accepts properly prepared students who wish to attend on either a part- or full-time basis. Course offerings are concentrated in the evenings to accommodate students who are employed during the day.

### Admission

Applicants for admission to graduate work in Actuarial Science must meet the general requirements for admission to graduate work in the University. Students must have completed an undergraduate degree, not necessarily in mathematics, but must have completed linear algebra (equivalent to MATH 246 LINEAR ALGEBRA at Roosevelt) and at least three semesters of calculus (equivalent to MATH 231 CALCULUS I, MATH 232 CALCULUS II, and MATH 233 CALCULUS III at Roosevelt) with grades of C- or higher and with a B (3.0) average. Students who wish to join the MS program but who are lacking some of these courses are encouraged to complete them prior to application, either at Roosevelt or elsewhere.

### Prerequisites

Graduate students must satisfactorily complete the prerequisite courses listed below with grades of C- or higher and with a B (3.0) average, as well as any courses required of international students by the English Language Program. It is possible to make up any deficiencies after being admitted as a graduate student, but no credit will be granted towards the degree for meeting these requirements. Students may enroll in prerequisite courses and certain graduate courses concurrently, provided the prerequisites for those graduate courses have been satisfied.

### Advising

Following acceptance to the program, students meet with the graduate advisor to plan a program of study. All students are required to obtain approval for their course selections each semester. All courses presented for the degree must be approved by the graduate advisor. Up to 9 credit hours of transfer credit may be considered for the program; however, all such credit must be at the graduate level and may not be applied to any other earned degree.

### Requirements

The completed degree requires a total of 33 credit hours of graduate coursework. In addition to a core of mathematical probability and statistics, candidates should take courses that prepare them for the actuarial professional exams. The electives, therefore, include a combination of math, finance, and economics classes. If any of the core courses were taken as an undergraduate, substitutions may be made from the math electives with the approval of the graduate advisor.

#### Requirements

The completed degree requires a total of 33 credit hours of graduate coursework; at least one professional actuarial exam must be taken. Students who have passed the P or FM exam prior to taking MATH 480P or MATH 480FM must substitute a different elective for this course. Note that ECON 421 MACROECONOMIC THEORY, ECON 423 MICROECONOMIC THEORY, FIN 408 FINANCE FOR DECISION MAKERS, FIN 485 INVESTMENT THEORY, MATH 448 PROBABILITY AND STATISTICS II, ACCT 403 INTRODUCTION TO ACCOUNTING, and ACCT 405 ACCOUNTING FOR EXECUTIVES satisfy the requirements of the Casualty Actuarial Society and Society of Actuaries for Validation by Educational Experience courses provided a grade of B- or higher is achieved. Students are encouraged to complete the VEE requirements; note that many students fulfill a portion of the VEE coursework as undergraduates with courses equivalent to ECON 101 PRINCIPLES OF ECONOMICS I, ECON 102 PRINCIPLES OF ECONOMICS II, ECON 103 PRINCIPLES OF FINANCE, FIN 302 CORPORATE FINANCE, and ACSC 348 MATHEMATICAL STATISTICS. A list of approved courses may be found on the SOA website.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 448</td>
<td>PROBABILITY AND STATISTICS II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 480FM</td>
<td>ACTUARIAL SCIENCE SEMINAR</td>
<td>3</td>
</tr>
<tr>
<td>MATH 480P</td>
<td>ACTUARIAL SCI SEM: EXAM P/1</td>
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</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select four of the following:</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>MATH 409</td>
<td>DATA MINING</td>
<td></td>
</tr>
<tr>
<td>MATH 430</td>
<td>NUMERICAL ANALYSIS 1</td>
<td></td>
</tr>
<tr>
<td>MATH 446</td>
<td>STOCHASTIC PROCESSES 1</td>
<td></td>
</tr>
<tr>
<td>MATH 447</td>
<td>ADVANCED PROBABILITY 1</td>
<td></td>
</tr>
<tr>
<td>MATH 449</td>
<td>REGRESSION &amp; TIME SERIES 1</td>
<td></td>
</tr>
<tr>
<td>MATH 457</td>
<td>ANOVA &amp; EXPERIMENTAL DESIGN 1</td>
<td></td>
</tr>
<tr>
<td>MATH 469</td>
<td>ACTUARIAL MATHEMATICS I 1</td>
<td></td>
</tr>
</tbody>
</table>

For descriptions of these prerequisites, see the undergraduate catalog. Program prerequisites must be completed within the first year (18 credit hours) of coursework. Any prerequisite may be waived by a placement exam.

Graduate students must satisfactorily complete the prerequisite courses with grades of C- or higher and with a B (3.0) average, as well as any courses required of international students by the English Language
Biology, MS

The Master of Science in Biology prepares students for employment in a variety of professional settings and for further study toward doctoral degrees. It is a comprehensive biological science program in which students may focus their studies in Cellular & Molecular Biology, Physiology & Developmental Biology or Ecology, Evolution & Conservation Biology. The program is appropriate for students holding a baccalaureate degree in biological science, or for bachelor’s degree holders in other areas who have completed the prerequisite undergraduate courses.

Students in the program receive:

- Relevant coursework in a rigorous, yet flexible and broad-based curriculum.
- Research, internship, study abroad, community engagement and on-campus employment opportunities.
- Career development and preparation for doctoral programs, professional schools, and the scientific workforce.
- An academic environment that fosters collaboration among students.
- Personalized advising and mentoring from experienced faculty.

The program is course-based and includes a one-semester research experience. Students who are interested in additional research training may pursue independent study and/or a master’s thesis under the sponsorship of a department faculty member.

Application Materials

- **Graduate application**: Application (https://www.roosevelt.edu/admission/apply/) to the College of Arts & Sciences at Roosevelt University.
- **Official transcript(s)**: Applicants must request official transcripts from all undergraduate and graduate institutions attended. Coursework completed outside the U.S. requires a foreign credential evaluation (https://www.roosevelt.edu/admission/international/foreign-credentials/).
- **Resume/Curriculum vita**: Applicants should provide a detailed account of their academic and extracurricular experiences. Include employment, teaching, leadership, and research experiences as appropriate.
- **Letter of intent**: Applicants must include a brief (one-page) personal statement which outlines their personal and professional goals, their interest in the program and their qualifications for admission. A personal statement from a central admissions service may be submitted.
- **Letter of recommendation**: Include or request at least two recommendation letters. Referees may include professors, academic advisors, employment supervisors, or others familiar with the applicant’s preparation for graduate study.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C-) may be applied toward the 33 credit hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated. Students who are lacking either ACSC 347 PROBABILITY THEORY or ACSC 367 FINANCIAL MATH should take these undergraduate prerequisites in the fall of their first year; these prerequisites do not count towards the 33 credit hours.

### Year 1

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
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</tr>
<tr>
<td>MATH 4XX</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4XX</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
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</tr>
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</table>

#### Spring

<table>
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<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 4XX</td>
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<td>MATH 4XX</td>
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<tr>
<td>MATH 4XX</td>
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### Year 2

#### Fall

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</table>

#### Spring

<table>
<thead>
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<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 4XX, ECON 4XX, or FIN 4XX¹</td>
<td></td>
</tr>
<tr>
<td>MATH 4XX, ECON 4XX, or FIN 4XX¹</td>
<td></td>
</tr>
<tr>
<td>MATH 4XX, ECON 4XX, or FIN 4XX¹</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 33

1. ECON/FIN options: ECON 421, ECON 423, FIN 408, FIN 485, FIN 487

1. At least six courses must be listed exclusively at the graduate level.
2. Substitutions may be made with advisor approval.
The Master of Science degree in Biology requires a minimum of 36 credit hours, at least 27 of which must be completed at Roosevelt University. Each student will develop an academic plan in consultation with a faculty advisor. Students may focus their studies in the areas of Cellular & Molecular Biology, Physiology & Developmental Biology, or Ecology, Evolution & Conservation Biology. See below for recommended courses in each area of focus.

Research and Independent Study

All students must complete 3 credit hours of research training by enrolling in either Research in Biology under the sponsorship of a faculty member (BIOL 492 RESEARCH IN BIOLOGY) or in the regularly scheduled Research Methods course (BIOL 468 RESEARCH METHODS). It is recommended that BIOL 492 RESEARCH IN BIOLOGY be taken for 3 credit hours in a single semester, but it may be taken in increments to total 3 credit hours. Following the initial research experience, qualified students may pursue advanced study toward a master’s thesis by enrolling in 3 to 6 additional credit hours of thesis work (BIOL 485 THESIS).

Independent study in literature research (BIOL 495 INDEPENDENT STUDY), off-campus internships (BIOL 491 BIOLOGY INTERNSHIP) and course by arrangement options are also available. These options are included in the total graduate credit hours but do not substitute for research requirements. No more than 10 total credit hours may result from independent study or research unless approved by the graduate program director.

Scheduled Courses

The coursework for the degree will be chosen from the list below, from other scheduled courses (https://www.roosevelt.edu/coursefinder/) in BIOL, CHEM or BCHM at the 400-level or through individualized registration as described above.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 492</td>
<td>RESEARCH IN BIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>or BIOL 468</td>
<td>RESEARCH METHODS</td>
<td></td>
</tr>
</tbody>
</table>

Cellular and Molecular Biology

- BCHM 455  BIOCHEMISTRY
- BCHM 456  EXP. MTHDS BIOCHEM & BIOTECH
- BCHM 457  ADVANCED BIOCHEMISTRY
- BIOL 451  GENERAL GENETICS
- BIOL 453  MOLECULAR BIOLOGY
- BIOL 458  CELL BIOLOGY
- BIOL 450  CANCER BIOLOGY
- BIOL 460  MICROBIOLOGY
- BIOL 461  INFORMATION TECHNOLOGY FOR SCIENCES
- BIOL 466  ECOL & EVOL OF MICRO ORG
- BIOL 467  IMMUNOLOGY

Ecology, Evolution and Conservation Biology

- BIOL 414  QUANTITATIVE ECOLOGY & CONSERVATION (with field experience)
- BIOL 422  BOTANY
- BIOL 423  TROPICAL BIOLOGY (international field course)
- BIOL 424  MARINE BIOLOGY
- BIOL 432  ECOLOGY OF TALLGRASS PRAIRIES (with field experience)
- BIOL 451  GENERAL GENETICS
- BIOL 463  INTRODUCTION TO GENOME ANALYSIS
- BIOL 466  ECOL & EVOL OF MICRO ORG
Students in the MABS degree program receive:

- Rigorous graduate-level coursework in the biological sciences designed to strengthen a student’s preparation for medical school/professional school.
- An academic environment that fosters a supportive community among students.
- Assistance in securing volunteer opportunities that enhance student skills before matriculating to medical school/professional school.
- Personal attention from faculty to maximize success in their classes.
- Advising services from the Pre-Health Professional advisor. This advisor will also work closely with students to optimize their application packages.

Admission

Applicants should consult the general requirements for admission to graduate study in the College of Arts and Sciences on the Roosevelt University website. Graduate faculty members will evaluate each applicant’s individual record of academic achievement, professional experience and self-assessment. Weakness in one or a few areas of preparation will not preclude a positive admission decision.

Application Materials

- Graduate application: Application to the College of Arts & Sciences at Roosevelt University.
- Official transcript(s): Official transcripts from all undergraduate and graduate institutions attended.
- Resume/curriculum vita: Students should provide a detailed account of their academic and extracurricular experiences. Include employment, teaching, leadership and research experiences as appropriate.
- Personal statement: This brief (one-page) personal statement conveys the student’s motivation for his/her chosen career. If the student has a personal statement from a central admissions service, they may submit this statement.
- One letter of recommendation: One letter of recommendation appropriate for a professional school application. Referees may include professors, academic advisors, employment supervisors or others familiar with student’s preparation for graduate study.
- Official GRE, MCAT, DAT, OAT or PCAT, score: Official score in one of the graduate admissions tests that is no more than three years old.
- Applications without a submitted standardized test score (unofficial GRE, MCAT, DAT, OAT or PCAT) may be reviewed and admitted under the discretion of the review committee. Please do not hesitate to contact your graduate admission counselor with any questions.

Advising

New students must consult with the graduate program director and pre-health advisor upon admission to the graduate program. Each year’s course schedule is drawn from a suite of approved courses for the program. Students should consult the pre-health professions advisor to determine the optimum set of courses to advance their professional school preparation.

Biomedical Sciences, MA

The Master of Arts in Biomedical Sciences degree program is designed to help students enhance their understanding of the biological disciplines that are the intellectual foundation for medical school or other professional health science programs. The program also builds formal skills in analysis of the biomedical literature and of ethical questions that impact the medical profession. It is appropriate for students with a good overall medical school/professional school application package who need an additional opportunity to demonstrate their ability to master challenging coursework.
Prerequisites

Applicants to the MA Biomedical Sciences program must hold a baccalaureate degree with a minimum cumulative GPA of 2.8, a preliminary MCAT/PCAT/DAT/OAT or GRE score, and must have completed the academic requirements described below. Applications without a submitted standardized test score may be reviewed and admitted under the discretion of the review committee. Please do not hesitate to contact your graduate admission counselor with any questions.

- One year of college-level mathematics; calculus is recommended
- Chemistry through the second semester of organic chemistry
- Physics through the second semester of physics
- Biology through introductory biology

Given the rigorous nature of our graduate coursework, students are strongly encouraged to have undergraduate biochemistry, anatomy/physiology, and/or microbiology courses in addition to the required courses.

Requirements

All students must complete 26 credit hours to earn the MA Biomedical Sciences degree.

All students are required to take BIOL 443 CLINICAL BIOETHICS AND MEDICAL LITERATURE and must also take at least one course with a lab section.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 443</td>
<td>CLINICAL BIOETHICS AND MEDICAL LITERATURE</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course with lab section 5

Students must complete their remaining credit hours in a curriculum drawn from the following courses:

- BIOL 401 HUMAN CADAVER ANATOMY 3
- BIOL 404 HISTOLOGY & ULTRASTRUCTURE 3
- BIOL 418 BIOSTATISTICS 3
- BIOL 423 TROPICAL BIOLOGY 3
- BIOL 424 MARINE BIOLOGY 3
- BIOL 430 PHYSIOLOGY: MECHANISMS AND DISORDERS 3
- BIOL 437 NUTRITION IN AMERICA 3
- BIOL 439 EVOLUTIONARY PHYSIOLOGY 3
- BIOL 450 CANCER BIOLOGY 3
- BIOL 451 GENERAL GENETICS (with or without lab) 3
- BIOL 453 MOLECULAR BIOLOGY (with or without lab) 3
- BIOL 456 DEVELOPMENTAL BIOLOGY 3
- BIOL 458 CELL BIOLOGY (with or without lab) 3
- BIOL 460 MICROBIOLOGY (with lab) 3
- BIOL 461 INFORMATION TECHNOLOGY FOR SCIENCES 3
- BIOL 463 INTRODUCTION TO GENOME ANALYSIS 3
- BIOL 466 ECOL & EVOL OF MICRO ORG 3
- BIOL 467 IMMUNOLOGY (with or without lab) 3
- BIOL 471 BIOLOGY OF AGING 3

Total Credit Hours 26

Sample Course Sequence

The schedule below is provided as an example. Individualized schedules will be developed for each student in consultation with faculty advisors.

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell Biology</td>
<td>3</td>
<td>Clinical Bioethics</td>
<td>3</td>
</tr>
<tr>
<td>Genetics</td>
<td>3</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>Microbiology</td>
<td>5</td>
<td>Physiology:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mechanisms &amp;</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Disorders</td>
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</tr>
<tr>
<td>Developmental</td>
<td>3</td>
<td>Cancer Biology</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 26

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C-) may be applied toward the 26 hours used for the degree.

Year 1

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4XX</td>
<td>3</td>
<td>BIOL 443</td>
<td>3</td>
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</tr>
<tr>
<td>BIOL 4XX</td>
<td>3</td>
<td>BIOL 4XX</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 4XX</td>
<td>3</td>
<td>BIOL 4XX w/ Lab</td>
<td>5</td>
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</tbody>
</table>

Total Credit Hours 26

Biotechnology and Chemical Science, MS

The Master of Science degree in Biotechnology and Chemical Science (BTCS) prepares students for work in a variety of applied science industries, including food science, biopharmaceuticals and clinical diagnostics, or for academic research and graduate study. It is an
An interdisciplinary program in which a student may concentrate in biotechnology, biotechnology management or chemical science. The program is appropriate for students holding a bachelor’s degree in biology, biochemistry, chemistry and related fields, or for those with other bachelor’s degrees who have completed the prerequisite coursework. Applicants who are preparing for careers in medicine, dentistry or other health professions are encouraged to apply for the Master of Arts in Biomedical Science or the Master of Science in Biology at Roosevelt University.

Students in the program receive:

- Theoretical and practical training through a rigorous, comprehensive graduate curriculum including chemistry, biology, biochemistry, and business coursework.
- Direct experience with laboratory techniques and methods used in the commercial and academic research settings.
- Research, internship, and career exploration opportunities that enhance students’ skills and prepare them to advance in their chosen field.
- Individual advising and mentoring by experienced faculty from across the university.

Coursework for this program is regularly offered during afternoon and evening hours and on weekends, affording an opportunity for working students to extend their professional training. Multiple research and independent study opportunities are available; a research thesis is optional for students in the Biotechnology and Chemical Science concentrations.

Admission

Applicants should consult the graduate admission resources on the Roosevelt University website for information on the application process. The graduate program director and department faculty members will evaluate each applicant’s individual record of academic achievement, professional experience, and self-assessment. Weakness in one or more areas of preparation will not preclude a positive admission decision. Admissions decisions are at the discretion of the graduate program director.

Application Materials

- Graduate application: Application (https://www.roosevelt.edu/admission/apply) to the College of Arts & Sciences at Roosevelt University.
- Official transcript(s): Applicants must request official transcripts from all undergraduate and graduate institutions attended. Coursework completed outside the U.S. requires a foreign credential evaluation.
- Resume/Curriculum vita: Applicants should provide a detailed account of their academic and extracurricular experiences. Include employment, teaching, leadership, and research experiences as appropriate.
- Letter of intent: Applicants must include a brief (one-page) personal statement which outlines their personal and professional goals, their interest in the program and their qualifications for admission. A personal statement from a central admissions service may be submitted.
- Letters of recommendation: Include or request at least two recommendation letters. Referees may include professors, academic advisors, employment supervisors, or others familiar with the applicant’s preparation for graduate study.
- Proof of English language proficiency (for international students): See the University English Language Proficiency requirement for details. Applicants can receive an admissions decision if this requirement is not met, but may need to complete ELP coursework before they begin graduate studies.

Prerequisites

Applicants to the MS BTCS program must hold a bachelor’s degree with a minimum cumulative GPA of 3.0 (4.0 scale) and should have completed the academic requirements described below.

- Biotechnology concentration: General Chemistry (2 courses), Organic Chemistry (1 course), Physics (1 course), Cellular/Molecular Biology (1 course)
- Biotechnology Management concentration: Same as Biotechnology, plus - Statistics (business statistics or biostatistics), Calculus (1 or 2 courses).
- Chemical Science concentration: Same as Biotechnology, plus - Calulus (1 or 2 courses), Organic Chemistry (2 courses), Analytical/Quantitative Chemistry (1 course), Physics (2 courses)

Students lacking prerequisite coursework may be admitted provisionally until outstanding courses have been completed satisfactorily (grade of B- or better). None of the prerequisite courses may be used toward fulfillment of the requirements for the master’s degree.

Credit Policies

Graduate transfer credit (up to 9 credit hours) may be applied to the MS Biotechnology and Chemical Science degree within one semester of admission. Credits from a previously earned degree are not transferable. Exceptions to specific course requirements may be granted to students who have previously completed graduate coursework in a related area and who maintain good academic standing after one semester of study at Roosevelt. All transfer credits and exceptions must be approved by the graduate program director.

Advising

New students must consult with the graduate program director upon admission to the graduate program. Each graduate student is required to meet with a faculty advisor at least once each semester to select appropriate courses for the following semester. Continuing students who have completed at least one semester of graduate study (or 6 credit hours) with a grade average of 3.0 or higher should consult with their advisors to discuss research, internship, independent study and other career development opportunities.

Requirements

The Master of Science degree in Biotechnology and Chemical Science requires a minimum of 36 credit hours, at least 27 of which must be completed at Roosevelt University. Each student will develop an academic plan in consultation with a faculty advisor. Students may choose concentrations in Biotechnology, Chemical Science or Biotechnology Management (in conjunction with Roosevelt’s Heller College of Business). See below for required and recommended courses in each concentration.
Interdisciplinary and Required Coursework

- **Biotechnology concentration**: At least 18 credit hours in biology (BIOL) and at least eight credit hours in chemistry (CHEM) or biochemistry (BCHM), subject to approval of the graduate program director. BIOL 480 APPLICATIONS OF BIOTECHNOLOGY, BIOL 482 BIOTECHNOLOGY INDUSTRY PRACTICE and research experience are required for this concentration.

- **Chemical Science concentration**: At least 18 credit hours in chemistry (CHEM) or biochemistry (BCHM) and eight credit hours in biology (BIOL), subject to approval of the graduate program director. BCHM 493 BIOCHEMISTRY SEMINAR, at least one chemistry laboratory course and research experience are required for this concentration.

- **Biotechnology Management concentration**: Specific requirements in natural science, industry practice and management are described in the concentration course listing below. Contact the graduate program director for up-to-date course availability for this concentration.

Research and Independent Study Opportunities

All students in the Biotechnology and Chemical Science concentrations must complete at least three credit hours of research training by enrolling in either research independent study under the sponsorship of a faculty member (BIOL 492 RESEARCH IN BIOLOGY/BCHM 492 RESEARCH IN BIOCHEMISTRY/CHEM 492 RESEARCH IN CHEMISTRY) or in the scheduled Research Methods course (BIOL 468 RESEARCH METHODS). It is recommended that independent research study be undertaken for 3 credit hours in a single term, but it may be taken in increments to total 3 credit hours.

A research thesis is optional for students in the Biotechnology and Chemical Science concentrations. In addition to the independent research courses listed above, thesis candidates will register for up to 6 additional credit hours of research credit (BIOL 485 THESIS/BCHM 485 THESIS/CHEM 485 THESIS). Details on the thesis preparation process are available from the graduate program director.

Independent study in literature research (BIOL 495 INDEPENDENT STUDY/CHEM 495 INDEPENDENT STUDY) and internship options are also available to students. These options are included in the total graduate credit hours but do not substitute for research requirements. No more than 10 total credit hours from independent study and research may be applied to the degree, unless approved by the graduate program director.

Recommended Courses

The coursework for the degree will be chosen from the list below, from other scheduled courses (https://www.roosevelt.edu/coursefinder/) in BIOL, CHEM or BCHM at the 400-level or through individualized registration as described above.

Biotechnology Concentration

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<td>APPLICATIONS OF BIOTECHNOLOGY</td>
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<tr>
<td>BIOL 482</td>
<td>BIOTECHNOLOGY INDUSTRY PRACTICE</td>
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Core Research (required)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOL 468</td>
<td>RESEARCH METHODS</td>
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</tr>
<tr>
<td>BIOL 492</td>
<td>RESEARCH IN BIOLOGY</td>
<td></td>
</tr>
<tr>
<td>BCHM 492</td>
<td>RESEARCH IN BIOCHEMISTRY</td>
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</tr>
</tbody>
</table>

Biotechnology Management Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 480</td>
<td>APPLICATIONS OF BIOTECHNOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 482</td>
<td>BIOTECHNOLOGY INDUSTRY PRACTICE</td>
<td></td>
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</table>

Core Management (required)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BADM 401</td>
<td>GRADUATE BUSINESS ORIENTATION</td>
<td></td>
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<tr>
<td>ACCT 405</td>
<td>ACCOUNTING FOR EXECUTIVES</td>
<td></td>
</tr>
<tr>
<td>MKTG 406</td>
<td>MARKETING STRATEGY: THEORY &amp; PRACTICE</td>
<td></td>
</tr>
<tr>
<td>MGMT 407</td>
<td>EXECUTIVE LEADERSHIP</td>
<td></td>
</tr>
<tr>
<td>FIN 408</td>
<td>FINANCE FOR DECISION MAKERS</td>
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Core Science (select three, including one lab)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 453</td>
<td>MOLECULAR BIOLOGY (required)</td>
<td></td>
</tr>
<tr>
<td>BIOL 458</td>
<td>CELL BIOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 461</td>
<td>INFORMATION TECHNOLOGY FOR SCIENCES</td>
<td></td>
</tr>
<tr>
<td>BIOL 467</td>
<td>IMMUNOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 466</td>
<td>ECOL &amp; EVOL OF MICRO ORG</td>
<td></td>
</tr>
<tr>
<td>BIOL 465</td>
<td>BIOCHEMISTRY</td>
<td></td>
</tr>
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</table>

Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 418</td>
<td>BIOSTATISTICS</td>
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<tr>
<td>BIOL 450</td>
<td>CANCER BIOLOGY</td>
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<tr>
<td>BIOL 451</td>
<td>GENERAL GENETICS</td>
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<tr>
<td>BIOL 453</td>
<td>MOLECULAR BIOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 458</td>
<td>CELL BIOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 460</td>
<td>MICROBIOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 461</td>
<td>INFORMATION TECHNOLOGY FOR SCIENCES</td>
<td></td>
</tr>
<tr>
<td>BIOL 463</td>
<td>INTRODUCTION TO GENOME ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>BIOL 466</td>
<td>ECOL &amp; EVOL OF MICRO ORG</td>
<td></td>
</tr>
<tr>
<td>BIOL 467</td>
<td>IMMUNOLOGY</td>
<td></td>
</tr>
<tr>
<td>BIOL 483</td>
<td>SPECIAL TOPICS IN BIOLOGY</td>
<td></td>
</tr>
<tr>
<td>CHEM 413</td>
<td>ADVANCED ORGANIC CHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>CHEM 441</td>
<td>INORGANIC CHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>CHEM 437</td>
<td>INSTRUMENTAL ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>CHEM 452</td>
<td>MEDICINAL CHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>BCHM 420</td>
<td>PHYSICAL CHEMISTRY FOR BIOSCIENCE</td>
<td></td>
</tr>
<tr>
<td>BCHM 444</td>
<td>BIOINORGANIC CHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>BCHM 455</td>
<td>BIOCHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>BCHM 456</td>
<td>EXP. MTHDS BIOCHEM &amp; BIOTECH</td>
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</tr>
<tr>
<td>BCHM 457</td>
<td>ADVANCED BIOCHEMISTRY</td>
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<tr>
<td>BCHM 493</td>
<td>BIOCHEMISTRY SEMINAR</td>
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</tbody>
</table>

Total Credit Hours 36
or BIOL 463  INTRODUCTION TO GENOME ANALYSIS

Capstone (Select one)  3
-BIOL 491  BIOLOGY INTERNSHIP
-BIOL 495  INDEPENDENT STUDY

Electives  3-5
-BCHM 455  BIOCHEMISTRY
-BCHM 456  EXP. MTHDS BIOCHEM & BIOTECH
-BCHM 457  ADVANCED BIOCHEMISTRY
-BIOL 451  GENERAL GENETICS
-BIOL 483  SPECIAL TOPICS IN BIOLOGY
-CHEM 437  INSTRUMENTAL ANALYSIS
-CHEM 452  MEDICINAL CHEMISTRY

Additional courses may apply - consult graduate advisor for details

Total Credit Hours  36-40

Chemical Sciences Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>BIOL 480</td>
<td>APPLICATIONS OF BIOTECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 482</td>
<td>BIOTECHNOLOGY INDUSTRY PRACTICE</td>
<td>3</td>
</tr>
</tbody>
</table>

Core Research (required)  3

- CHEM 492  RESEARCH IN CHEMISTRY
  or BCHM 492  RESEARCH IN BIOCHEMISTRY
  or BIOL 468  RESEARCH METHODS
-BCHM 493  BIOCHEMISTRY SEMINAR

Electives

Chemistry and Biochemistry (minimum 17 credits)  17-24

-CHEM 413  ADVANCED ORGANIC CHEMISTRY
-CHEM 437  INSTRUMENTAL ANALYSIS
-CHEM 441  INORGANIC CHEMISTRY
-CHEM 444  BIOINORGANIC CHEMISTRY
-CHEM 452  MEDICINAL CHEMISTRY
-BCHM 420  PHYSICAL CHEMISTRY FOR BIOSCIENCE
-BCHM 455  BIOCHEMISTRY
-BCHM 456  EXP. MTHDS BIOCHEM & BIOTECH
-BCHM 457  ADVANCED BIOCHEMISTRY

Biology (minimum 8 credits)  8-16

-BIOL 453  MOLECULAR BIOLOGY
-BIOL 458  CELL BIOLOGY
-BIOL 460  MICROBIOLOGY
-BIOL 483  SPECIAL TOPICS IN BIOLOGY
-BIOL 461  INFORMATION TECHNOLOGY FOR SCIENCES
-BIOL 467  IMMUNOLOGY

Additional courses may apply - consult graduate advisor for details

Total Credit Hours  36

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan will be different. No more than two grades of C (not C-) may be applied toward the 36 hours used for the degree.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 480</td>
<td>3</td>
<td>BIOL 482</td>
<td>3</td>
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<tr>
<td>BIOL 4XX(^1)</td>
<td>5</td>
<td>BIOL 4XX</td>
<td>3</td>
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<tr>
<td>BCHM 4XX(^2)</td>
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<td>BCHM 4XX</td>
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</table>

Total Credit Hours 37

\(^1\) BIOL 453 recommended
\(^2\) BCHM 493 recommended

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan will be different. No more than two grades of C (not C-) may be applied toward the 36 hours used for the degree.

Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 468, 492, BCHM 492, or CHEM 492</td>
<td>3</td>
<td>BIOL 4XX</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4XX</td>
<td>3</td>
<td>BCHM 4XX</td>
<td>3</td>
</tr>
<tr>
<td>BCHM 4XX</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 36

\(^1\) BIOL 482 recommended
\(^2\) CHEM 437 recommended
Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan will be different. No more than two grades of C (not C-) may be applied toward the 36 hours used for the degree.

### Year 1

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Fall</td>
<td>9</td>
<td>BIOL 480</td>
<td>3 BIOL 482</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>BIOL 453</td>
<td>5 BIOL 460 or 466</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>BADM 401</td>
<td>1 ACCT 405</td>
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<td>Total</td>
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### Year 2

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>9</td>
<td>BIOL 458 or 461</td>
<td>3 BIOL/BCHM/ CHEM 4XX</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>MKTG 406</td>
<td>3 FIN 408</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>MGMT 407</td>
<td>3 BIOL 495 or 491</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
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### Clinical Child and Family Psychology, Graduate Concentration

The Concentration in Clinical Child and Family Psychology provides students enrolled in Roosevelt University's MA in Clinical Psychology (Counseling Practice) or the PsyD in Clinical Psychology programs with an opportunity to gain special expertise in working with children.

The Concentration in Clinical Child and Family Psychology complements students' general clinical training, so that upon graduation they will have an advanced understanding of normal and abnormal child development, and will be competent practitioners who can effectively assist children and families.

The knowledge that students gain in their relevant course work will be complemented by the skills they refine during practicum or internship fieldwork. Thus, concentration recipients gain direct experience working with children and families, develop greater empathy to children who experience adversity, and develop career-relevant skills.

### Requirements

Students pursuing this concentration choose three electives from the list of courses below. In addition, students complete a two-semester clinical placement that focuses on conducting psychological assessment or psychotherapy with children or families. The clinical placement requirement can be satisfied by any of the six-credit hour training sequences listed below (the specific course which is most appropriate depends on the program in which the student is enrolled). The director of clinical training can advise students whether a particular training site provides sufficient contact with children and families to fulfill this requirement.

### Elective Coursework

Choose three from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 468</td>
<td>CHILD ABUSE/FAMILY VIOLENCE</td>
<td>9</td>
</tr>
<tr>
<td>PSYC 492</td>
<td>CHILDREN, PSYCHOLOGY, &amp; LAW</td>
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<tr>
<td>PSYC 540</td>
<td>CHILDHOOD/ADOLESCENT SOCIAL SKILLS TRAINING</td>
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<tr>
<td>PSYC 606</td>
<td>HUMAN DEVELOPMENT (MA level)</td>
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<tr>
<td>PSYC 636</td>
<td>HUMAN DEVELOPMENT (PsyD level)</td>
<td></td>
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<tr>
<td>PSYC 639</td>
<td>CHILDHOOD/ADOLESCENT ASSESSMENT</td>
<td></td>
</tr>
<tr>
<td>PSYC 654</td>
<td>CHILDHOOD &amp; ADOLESCENT THERAPY</td>
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<tr>
<td>PSYC 655</td>
<td>COUPLES AND FAMILY THERAPY</td>
<td></td>
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<tr>
<td>PSYC 656</td>
<td>COUPLES &amp; FAMILY COUNSELING</td>
<td></td>
</tr>
<tr>
<td>PSYC 741</td>
<td>CHILD PSYCHOPATHOLOGY</td>
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</table>

### Clinical Placement

Choose one of the following sequences:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 697A</td>
<td>MA CLINICAL INTERNSHIP</td>
<td>6</td>
</tr>
<tr>
<td>PSYC 697B</td>
<td>and MA CLINICAL INTERNSHIP</td>
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</tr>
<tr>
<td>PSYC 791A</td>
<td>DOCTORAL CLINICAL PRACTICUM 1</td>
<td></td>
</tr>
<tr>
<td>PSYC 791B</td>
<td>and DOCTORAL CLINICAL PRACTICUM 1</td>
<td></td>
</tr>
<tr>
<td>PSYC 792A</td>
<td>DOCTORAL CLINICAL PRACTICUM 2</td>
<td></td>
</tr>
<tr>
<td>PSYC 792B</td>
<td>and DOCTORAL CLINICAL PRACTICUM 2</td>
<td></td>
</tr>
<tr>
<td>PSYC 793A</td>
<td>DOCTORAL CLINICAL PRACTICUM 3</td>
<td></td>
</tr>
<tr>
<td>PSYC 793B</td>
<td>and DOCTORAL CLINICAL PRACTICUM 3</td>
<td></td>
</tr>
<tr>
<td>PSYC 794A</td>
<td>DOCTORAL CLINICAL PRACTICUM 4</td>
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<tr>
<td>PSYC 794B</td>
<td>and DOCTORAL CLINICAL PRACTICUM 4</td>
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### Clinical Psychology (Counseling Practice), MA

Roosevelt offers both master's and doctoral degrees in psychology, the Master of Arts (MA) and the Doctor of Psychology (PsyD). The MA degrees are in the areas of clinical, general psychology, clinical (counseling practice), and industrial/organizational psychology (including an option for combined IO MA/MBA). The PsyD is in clinical psychology.

This program is designed for those who are interested in clinical practice at the master’s level. In Illinois (and in many other states), completion of this program qualifies graduates to apply for licensure as a professional counselor (LPC and, later, LCPC). This is a 60 credit hour program that provides broad-based training in psychological assessment and intervention as well as in the theory and research that support these practices. This program also provides appropriate preparation for those wishing to apply to PsyD and PhD programs in clinical or counseling psychology. Those
planning to apply to PhD programs should ensure they secure research experience within the program while they pursue their MA degree.

The Clinical Psychology (Counseling Practice) curriculum satisfies the educational requirements for the professional counselor and clinical professional counselor licenses in Illinois, Roosevelt’s home state, and in many other states. Students are urged to check with the Board that oversees these licenses in the state in which they intend to practice to ensure this curriculum satisfies the state’s requirements. An index of State Licensing Boards can be found by visiting the National Board for Certified Counselors (http://www.nbcc.org/directory/). Applicants planning for a career in professional counseling should be aware that Roosevelt University’s College of Education also offers a program designed to prepare students for this profession, the MA in Clinical Mental Health Counseling.

**Admission**

It is recommended that applicants have completed the following prerequisite courses with at least a 3.0 (B) average: general psychology, abnormal psychology, and research methods. Some students with undergraduate deficiencies may be considered for admission with faculty recommendation to complete one or more of these three prerequisite courses as a condition of admission.

Applications are considered for the fall semester (Chicago and Schaumburg campuses) and spring semester (Schaumburg campus only). Space in the Chicago campus is limited and applications will be considered as space is available.

For priority consideration for the fall semester, applications are due February 1. The final application deadline for the fall semester is May 1. The application deadline for the spring semester is November 1.

**Standards:**

**General GPA standards:** Students must maintain a minimum 3.0 (B) grade point average. No more than two grades of C+, C, or C- (six credit hours) will be counted toward the MA degree. For additional information concerning grading and academic discipline, see the general university regulations.

**Time limit:** Students are allowed six years in which to complete the MA degree and only courses completed within six years from the time the student enters the program will be counted toward the degree.

**Competency requirement:** The competency requirement is designed to ensure all students seeking the MA degree demonstrate an acceptable level of mastery of general psychology. It is a prerequisite for all 600-level courses. The competency requirement must be met within the first 18 credit hours of graduate credit. **Students who fail to satisfy the competency requirement within this time period will be considered for dismissal from the program.** Students can meet the competency requirement in one of the two ways detailed below.

1. **GRE method:** Students must earn a score of at least the 70th percentile on the psychology subject test of the Graduate Record Examination.
2. **Grade point average method:** Students must achieve a grade point average of at least 3.0 in the following courses: PSYC 505 FOUNDATIONS OF COUNSELING, PSYC 516 PSYCHOPATHOLOGY, PSYC 519 BASIC CLINICAL SKILLS, and PSYC 530 ADVANCED RESEARCH METHODS. All courses that count toward meeting the competency requirement must be taken at Roosevelt University.

**Academic integrity:** The Department of Psychology holds graduate students to professional standards of academic integrity. The Department considers actions that present the work of another as one’s own to be unethical and inappropriate. Cheating and plagiarism are never tolerated. The department defines plagiarism as presenting the ideas or words of another as one’s own. Students must follow the rules for appropriate citation and quotation of the words of others, as outlined in the current edition of the American Psychological Association’s publication manual, in all papers and theses. **Students who violate these standards regarding cheating and plagiarism will be considered for dismissal from the program.**

**Ethical, professional and interpersonal competency:** Because the psychology programs prepare mental health practitioners, the department is accountable to the public regarding the development of professional and ethical behavior. Thus, in addition to the evaluation of academic performance, students will be evaluated regularly on appropriate professional and interpersonal behavior. **Students who fail to meet academic standards, or fail to meet expectations of appropriate professional and interpersonal behavior will be considered for dismissal from the program.**

**Program Governance and Personnel**

The Department of Psychology appoints a Program Evaluation Group to oversee the administration and development of the MA programs in Clinical Psychology and Clinical Psychology (Counseling Practice). The PEG is led by the Director of Clinical MA Programs and is additionally composed of several other faculty members appointed each academic year. In addition, each year a student in one of the clinical MA programs from each campus is invited to represent student interests on the PEG. The PEG is responsible for decisions on student admission and for recommendations on student remediation or dismissal.

**Requirements**

Total program is 60 credit hours. This includes six credit hours for a practicum seminar in which students enroll while they are on internship/practicum. Students are approved to begin internship/practicum after they have completed 36 to 48 credit hours of required program credits. The majority of students complete the program in three years. The term practicum and internship are often used interchangeably in the field. The internship consists of not less than 750 hours of professionally supervised training and service in an approved agency or institution, over a period of not less than two semesters. This experience satisfies the requirements for the professional counselor and the clinical professional counselor licenses in Illinois, Roosevelt’s home state. As other states may have slightly different licensing requirements, students are urged to consult the Board that oversees licensing in the state in which they intend to practice.

Given the time demands of the internship experience, it is not possible for a student to maintain full-time employment during semesters in which the internship is completed. A student who has not completed the internship during the semesters in which he/she is registered for PSYC 697A MA CLINICAL INTERNSHIP and PSYC 697B MA CLINICAL INTERNSHIP must maintain continued registration during subsequent semesters until completion of the internship by registering for PSYC 697Y MA CLINICAL INTERNSHIP CONTINUED (zero-credit course). Internship placements are located in the broader Chicagoland area. Students are able to apply to various clinical settings that include but are not limited
to: hospitals, community mental health and substance abuse centers, forensic settings, schools, psychiatric facilities, social service agencies, and private practices.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 417</td>
<td>CAREER AND LIFE-STYLE PLANNING</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 505</td>
<td>FOUNDATIONS OF COUNSELING</td>
<td>3</td>
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<tr>
<td>PSYC 515</td>
<td>CHEMICAL DEPENDENCE</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 516</td>
<td>PSYCHOPATHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 519</td>
<td>BASIC CLINICAL SKILLS (with grade B or better)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 530</td>
<td>ADVANCED RESEARCH METHODS</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 570</td>
<td>BIOLOGICAL BASES OF BEHAVIOR FOR COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 580</td>
<td>LEARN BASES OF BEHAVIOR FOR COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 605</td>
<td>PROFESSIONAL, LEGAL AND ETHICAL ISSUES</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 606</td>
<td>HUMAN DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 619</td>
<td>ASSESSMENT IN COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 623</td>
<td>THEORIES OF COUNSELING &amp; PSYCHOTHERAPY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 640</td>
<td>MENTAL HEALTH PRACTICE IN SETTINGS</td>
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<tr>
<td>PSYC 641</td>
<td>COGNITIVE/BEHAVIORAL COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 642</td>
<td>PSYCHODYNAMIC COUNSELING</td>
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<td>PSYC 645</td>
<td>MULTICULTURAL COUNSELING</td>
<td>3</td>
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<td>PSYC 649</td>
<td>GROUP COUNSELING THEORIES &amp; PROCESSES</td>
<td>3</td>
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<td>PSYC 656</td>
<td>COUPLES &amp; FAMILY COUNSELING</td>
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<tr>
<td>PSYC 697A</td>
<td>MA CLINICAL INTERNSHIP (Semester 1)</td>
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<tr>
<td>PSYC 697A</td>
<td>MA CLINICAL INTERNSHIP (Semester 2)</td>
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One 3 credit hour elective 3

Total Credit Hours 60

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C+, C, or C- (six credit hours) may be applied toward the 60 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

**Clinical Psychology, Doctor of Psychology (PsyD)**

Based on a practitioner-scholar model, the overall goal of the PsyD Program at Roosevelt University is to train clinical psychologists who are able to diagnose and treat psychological problems. We expect that

1. graduates demonstrate the requisite general knowledge and skills of intervention and assessment necessary for the ethical and competent practice of psychology,
2. students address psychological problems and disorders using critical inquiry, and
3. students engage in productive and professional relationships with others.

To reach these goals, we use the American Psychological Association’s profession-wide competency model for health service psychology described in the Standards of Accreditation (https://www.apa.org/ed/accreditation/about/policies/standards-of-accreditation.pdf):

I. Research. Students engage in research and scholarship that contributes to the scientific, psychological, or professional knowledge base; and conduct, critically evaluate, and disseminate the results of this research and scholarship.

II. Ethical and Legal Standards. Students are knowledgeable regarding the APA ethical principles, ethical codes of conduct, laws, policies, and guidelines for professional practice. Students behave in an ethical manner at all times in academic, research, clinical, and community settings.

III. Individual and Cultural Diversity. Students reflect on how their own identities and personal background impacts their worldview and how they interact with others. Students also develop knowledge around culturally competent and culturally fair services with diverse individuals and groups. Awareness and knowledge around individual and cultural diversity is integrated into all aspects of their academic, research, and clinical work.

IV. Professional Values and Attitudes. In all research, academic, and clinical roles, students seek to comport themselves in a way that reflects the values and attitudes of the field of psychology.
V. Community and Interpersonal Skills. Students engage in productive and effective interpersonal relationships with others, including peers, colleagues, supervisors, faculty, and those receiving their professional services. They engage in effective interpersonal, verbal, nonverbal, and written communication throughout their academic and clinical work.

VI. Assessment. Students develop extensive knowledge around the science of measurement and psychometrics of psychological assessment tools, and how to select and use psychological assessment tools effectively with those receiving psychological services. Students interpret and effectively communicate the results of psychological assessment in an accurate and sensitive manner.

VII. Intervention. Students develop effective and productive relationships with those receiving psychological services. An important focus is implementing evidence-based practice, or practice informed by empirical literature, knowledge of clinical theory and models, and the service recipient's own preferences, needs, life circumstances, and cultural backgrounds. Also, as consistent with evidence-based practice models, students use assessment to monitor progress in therapy and guide treatment planning and clinical decision-making.

VIII. Supervision. Students become knowledgeable about supervision models and practices.

IX. Consultation and Interprofessional/Interdisciplinary skills. Students develop knowledge regarding other professions’ roles and consultation practices to facilitate effective interdisciplinary care that will benefit the recipients of psychological services.

In addition, interested and qualified students, after completing a master’s degree, may teach undergraduate psychology courses with the guidance of the Instructor Development course. Our university home also allows students to enhance their psychological training with relevant experiences from other disciplines.

Admission

Candidates for admission to the PsyD program must have either a bachelor’s or a master’s degree in psychology or in a closely related field and must have completed the following courses with at least a 3.0 (B) grade-point average: General Psychology, either a Statistics or Research Methods course, and Abnormal Psychology. Deficiencies in prerequisite courses may be completed at Roosevelt University but will not count toward the PsyD degree. Students entering with a bachelor’s degree will earn a master’s degree (modified from the terminal MA offered by the Department of Psychology) during their progress through the doctoral program.

Applicants must submit:

• Online PsyD application form.
• Official transcripts of all undergraduate and graduate course work.
• Verbal, Quantitative, and Analytical Writing scores on the Graduate Record Examination (GRE; the Psychology subtest is not required).
• Three letters of recommendation from academic and professional references. The professional references should be psychologists, professors, or other related professionals who can provide information regarding academic, clinical, research, and/or interpersonal skills.
• A personal statement. The personal statement should demonstrate a clear well-articulated understanding of the expectations and responsibilities of graduate training in clinical psychology, strong career motivation, and well-formulated career plans.
• A curriculum vitae (CV). This is similar to a resume. The CV details relevant educational/academic, professional, research, and clinical experiences.
• $40 application fee.

Selected applicants are invited to an interview that is required before admission is granted.

Roosevelt considers each applicant on an individual basis and seeks diversity in ethnic and cultural background, education and life experience, and sexual orientation. Although GPA or test cutoffs are not strictly adhered to, a GPA of at least 3.25 for undergraduate work and above-average scores (>50th percentile) on each section of the GRE are typical expectations.

Applications can be requested online here (https://www.roosevelt.edu/apply/).

Standards

PsyD students must maintain a 3.25 cumulative grade-point average. Students who earn a C in a course must retake the course. Students who earn a C for either semester of practicum must repeat the entire year-long practicum sequence. Students who earn a D or F, or a second C in any course will be dismissed from the program. PsyD students may also be dismissed from the program for lack of progress on the doctoral project if they do not meet a deadline decided by their doctoral project chair and the PsyD Program director.

Advising

Upon admission to the PsyD program, students meet with the director of the PsyD Program to develop a program completion plan covering all courses required for the doctoral degree, clinical training experiences, the comprehensive exam, and the doctoral project.

Requirements

All students must complete a minimum of 102 credit hours of graduate study plus 3 credit hours of internship credit, for a total of 105 credit hours. In addition to coursework, students must pass the comprehensive examination, complete an introductory practicum, and complete at least two doctoral practica (supervised clinical training in the community), a pre-doctoral internship, and a doctoral project.

The standard course load for a full-time student in the PsyD program is 12 credit hours each fall and spring semester and from one to three courses in summer semesters. Students must complete at least 30 credit hours of work in a 24-month period. For at least one of those two years, the student must be at Roosevelt on a full-time basis. Thus, students must complete at least two consecutive semesters of full-time study before becoming eligible for the doctoral degree.

The PsyD program may accept credit for substantially equivalent graduate-level coursework completed at approved universities or schools of professional psychology, up to 27 credit hours. A maximum of 36 credit hours of credit may be waived with approval of the doctoral program advisor for those entering with a master's degree; a maximum of 27 credit hours may be transferred for those entering with a BA or BS. Credit is granted only for courses in which the grade obtained was a B or higher and only if the courses were taken within seven years prior to the beginning of the student's doctoral program. Students entering with
a master's degree will meet with the director of the PsyD Program to identify which required courses will be waived based on their previous graduate work. The doctoral project, internship, and at least twelve credit hours of practicum must be completed at Roosevelt University.

Courses taken in the PsyD program more than seven years before the semester in which the graduate degree is to be granted may not be counted toward the degree. There is a maximum limit of 10 years for completion of all components of the program, including the pre-doctoral internship and the doctoral project. Students who have not completed the program by 10 years will be reviewed for dismissal. Students' progress will be evaluated at the seven-year point; if progress has not been adequate, students may be dismissed from the program.

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<tr>
<th>Code</th>
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<tr>
<td>PSYC 799</td>
<td>CLINICAL INTERNSHIP (taken twice)</td>
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Clinical Practicum

Applied clinical experience, which includes practica and the pre-doctoral internship, is a cornerstone of the PsyD program. Students entering with a bachelor's degree complete an introductory practicum prior to beginning their doctoral practica. Students may begin their introductory practicum after they have completed eight courses (24 credit hours). These courses must include two semesters of Psychopathology, Basic Clinical Skills, either two semesters of Cognitive Behavioral Therapies or Psychodynamic Therapies, and Intellectual Assessment or Personality

Electives

Select three of the following: 9

- PSYC 407 INTERMEDIATE STATISTICS
- PSYC 515 CHEMICAL DEPENDENCE
- PSYC 540 CHILDHOOD/adolescent SOCIAL SKILLS TRAINING
- PSYC 639 CHILDHOOD/adolescent ASSESSMENT
- PSYC 650 GROUP PSYCHOTHERAPY
- PSYC 651 EXPERIENTIAL GROUP THERAPY
- PSYC 652 PSYCHOTHERAPY OF WOMEN
- PSYC 653 BRIEF PSYCHOTHERAPIES
- PSYC 654 CHILDHOOD & adolescent THERAPY
- PSYC 655 COUPLES AND FAMILY THERAPY
- PSYC 660 EMPLOYMENT TESTING
- PSYC 662 CONFLICT RESOLUTION IN ORGANIZATIONS
- PSYC 664 JOB ANALYSIS & PERFORMANCE MANAGEMENT
- PSYC 668 ORGANIZATIONAL ASSESSMENT/DEVELOPMENT
- PSYC 669 INSTRUCTIONAL DESIGN/TRAINING
- PSYC 681 INSTRUCTOR DEVELOPMENT PROGRAM
- PSYC 690 MA THESIS (Parts 1 and 2)
- PSYC 695 INDEPENDENT STUDY
- PSYC 719 CLINICAL NEUROPSYCHOLOGY
- PSYC 720 NEUROPSYCHOLOGICAL ASSESSMENT
- PSYC 725 PROJECTIVE PERSONALITY ASSESS
- PSYC 727 ADVANCED PSYCHODIAGNOSTICS
- PSYC 740 ADVANCED PSYCHOTHERAPY SEMINAR
- PSYC 741 CHILD PSYCHOPATHOLOGY

Total Credit Hours 105

1 Students must complete 789Y Doctoral Project Seminar Continuation before they can receive a grade for 789 Doctoral Project Seminar
Assessment. Students register for and attend the MA Practicum Seminar (for six credit hours) during their introductory practicum.

Following completion of the introductory practicum, students must complete at least two doctoral practica. During their practica, students typically spend 16 to 24 hours per week at their clinical training site and attend a weekly doctoral practicum seminar. Each practicum seminar is 3 credit hours per semester, for two semesters each practicum. Most practicum site placements are for 9 to 12 months, for approximately 20 hours per week. The focus of training depends on the individual student's needs, interests, and experience.

Students who enter the program with a master’s degree will complete three doctoral practica. If a clinical practicum was completed as part of the master's degree, the practicum may transfer in as the introductory practicum (upon review by the PsyD director and the clinical training director), leaving two doctoral practica to be completed. Students who earned practicum credit as part of a doctoral program may transfer up to two semesters of clinical practicum upon review by the PsyD director and the clinical training director. Additional practicum credit may be transferred as elective credit at the discretion of the PsyD director. A final practicum evaluation or letter from the practicum supervisor documenting that the student has achieved the appropriate level of clinical skill should accompany any transfer of practicum credit request. No undergraduate practicum credit is accepted.

The PsyD student handbook and the clinical training manual have more details on requirements for practica and internship. Note that because the selection process for practicum placements begins early, students should begin preparation for an introductory or doctoral practicum a year before their anticipated start. The clinical training manual can be accessed at the PsyD program organization page within Roosevelt’s Blackboard website available to all current students.

Comprehensive Examination

The comprehensive examination provides an opportunity for students to review and integrate their knowledge of the theory, research, and practice of clinical psychology. The examination is taken after students have completed at least 72 credit hours of coursework, including PSYC 791A DOCTORAL CLINICAL PRACTICUM 1 and PSYC 791B DOCTORAL CLINICAL PRACTICUM 1 (one complete doctoral practicum). Students must indicate their intention to take the comprehensive examination at the beginning of the spring semester of the year in which they plan to take the examination. If a student decides to change the date on which he or she intends to take the examination, the PsyD director must be notified no later than one month prior to the examination date. If a student notifies of a change after one month or does not appear on the examination day, it will be considered a failure of the examination. If a student does not pass the examination, he or she may retake it once. If the student is unable to pass it the second time, the student will be dismissed from the program.

Pre-Doctoral Internship

All students must complete a 1-year, full-time pre-doctoral internship approved by the director of training. To be eligible to begin a pre-doctoral internship, students must have finished all course work and practica, passed the comprehensive examination prior to application submission, and defended their doctoral project proposal by May 15th.

Students are expected to seek internships accredited by the American Psychological Association (APA) accredited internship training. Obtaining an internship is a competitive national process, involving an electronic matching system. Students need to prepare to look outside of large metropolitan areas to increase the likelihood of obtaining an internship. The director of training will provide guidance throughout this process.

Students register for a total of 3 credit hours for their internship experience, divided into 1.5 credit hours in the Fall semester and 1.5 credit hours in the Spring semester. Students are considered full time during their internship experience.

Scholarship

The scholarship component of the program's practitioner-scholar model is addressed by several components, including coursework, the Comprehensive Examination, and the doctoral project. Students may further their scholarship skills by participating in faculty or independent research (which often involves posters, presentations, and publications). Students who have completed the requirements for the master’s degree are eligible to teach undergraduate courses in psychology once they have taken the Instructor Development Seminar (or if they are taking it concurrently with their first teaching experience). Students are paid for their teaching and may have multiple opportunities for teaching.

Doctoral Project

Students develop and enhance scholarly skills pertinent to the practice of clinical psychology by completing a doctoral project. In the doctoral project, students demonstrate their ability to assess and integrate the research literature on the management and conceptualization of clinical issues. There are five types of projects: a traditional empirical study, an extended case study, a review of the literature on a selected topic, applied treatment and program evaluation research, and program proposals.

PSYC 530 ADVANCED RESEARCH METHODS and PSYC 789 DOCTORAL PROJECT SEMINAR / PSYC 789Y DOCTORAL PROJECT SEM. CONT. help prepare students for the doctoral project. Students may begin informal work on their doctoral project at any time and are expected to begin such work by the end of their second year in the program. At the latest, at the end of the doctoral project seminar, students must have completed a formal doctoral project proposal draft and selected three faculty members who agree to constitute their doctoral project committee.

The doctoral project is to be conducted under the guidance of this three-person doctoral committee, which determines when the project is acceptable and conducts the final oral defense of the project. The final oral defense is a public event and is expected to be held on the University campus with all committee members present. At least two members of the committee, including the committee chair, must be full-time or half-time members of the Roosevelt University Department of Psychology faculty. The committee chair serves as the project director. One committee member may be from another program, an adjunct faculty member, or a psychologist supervising work at a practicum placement. See the current PsyD Doctoral Project Manual for details on the doctoral project.

As noted above, students must have successfully defended their doctoral project proposal by May 15th to be eligible to apply for internship. If May 15th falls on a weekend, the proposal defense must occur by the Friday before.

Student Evaluations

The PsyD program at Roosevelt University is accountable to the profession and the public for the development of the professional standards of its future practitioners. Thus the successful completion of the program entails development of academic knowledge and skills, professional skills, and interpersonal competencies necessary to function as an effective practitioner. Professional and interpersonal competencies
include, but are not limited to, the ability to cultivate and maintain productive and respectful relationships across academic and clinical settings; the ability to respond productively to feedback and change problematic behavior that interferes or has the potential to interfere with one’s ability to function as a student and trainee; and the ability to act in an ethical manner following cultural and professional standards.

The faculty provides feedback on students’ academic and professional development throughout the program. Students will be formally evaluated each year; students may be evaluated more frequently when concerns arise. Students are evaluated via a collaborative process that involves faculty and clinical training supervisors. Failure to meet the above standards may result in specific remediation requirements or dismissal from the program. Failure of a practicum or internship is also grounds for dismissal from the program.

Practice of Psychology by Graduate Students
PsyD students who render psychological services (other than practicum-related services) must report their activities to the director of the PsyD Program. If this activity is not within the student’s competence and under professional supervision, as determined by the director, the student will be asked to desist. Failure to comply with this regulation will be grounds for immediate termination from the psychology doctoral program.

APA Accreditation Information
Roosevelt University’s PsyD Program in Clinical Psychology is accredited by the American Psychological Association. The Commission on Accreditation of the APA can be reached at:

Office of Program Consultation and Accreditation
American Psychological Association
750 1st Street NE, Washington, DC 20002-4242
Phone: (202) 336-5979 / E-mail: apaaccred@apa.org

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. A graduate course can only be repeated once; no more than two courses can be repeated.

Students may earn a minimum grade of B- in any one course in order for that course to count towards degree requirements but must earn a minimum 3.25 cumulative grade point average in order to remain a student in good standing in the program.

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Total Credit Hours 105

**Clinical Psychology, MA**

Roosevelt offers both master’s and doctoral degrees in psychology, the Master of Arts (MA) and the Doctor of Psychology (PsyD). The MA degrees are in the areas of clinical, general psychology, clinical (counseling practice), and industrial/organizational psychology (including an option for combined IO MA/MBA). The PsyD is in clinical psychology.

The Clinical Psychology MA program is designed to provide students with a foundation in clinical psychology, which can lead to potential advancement in the workplace, expertise in a research setting, or preparation for Doctoral Studies.

**Graduates of this program are NOT eligible to apply for licensure as a professional counselor.** This is a 39 to 40 credit hour program that provides broad-based training in psychological assessment and intervention, as well as in the theory and research that support these practices. This program is designed for those who are currently employed in fields such as social work, counseling, nursing, or business and wish to broaden their areas of expertise. Students who wish to seek the professional counselor’s license (LPC, or later LCPC) should apply to the Clinical Psychology (Counseling Practice) MA program.
Admission

It is recommended that applicants have completed the following prerequisite courses with at least a 3.0 (B) average: general psychology, abnormal psychology, and research methods. Some students with undergraduate deficiencies may be considered for admission with faculty recommendation to complete one or more of these three prerequisite courses as a condition of admission.

Applications are considered only for the fall semester. Space in the Chicago campus is limited and applications will be considered as space is available.

For priority consideration for the fall semester, applications are due February 1. The final application deadline for the fall semester is May 1.

Standards

- **General GPA standards:** Students must maintain a minimum 3.0 (B) grade point average. No more than two grades of C+, C, or C- (six credit hours) will be counted toward the MA degree. For additional information concerning grading and academic discipline, see the general University regulations.

- **Time limit:** Students are allowed six years in which to complete the MA degree and only courses completed within six years of the time the student enters the program will be counted toward the degree.

- **Competency requirement.** The competency requirement is designed to ensure that all students seeking the MA degree demonstrate an acceptable level of mastery of general psychology. It is a prerequisite for all 600-level courses. The competency requirement must be met within the first 18 credit hours of graduate credit. **Students who fail to satisfy the competency requirement within this time period will be considered for dismissal from the program.** Students can meet the competency requirement in one of the two ways detailed below.
  a. **GRE method.** Students must earn a score of at least the 70th percentile on the psychology subject test of the Graduate Record Examination.
  b. **Grade point average method.** Students must achieve a grade point average of at least 3.0 in the following courses: PSYC 505 FOUNDATIONS OF COUNSELING, PSYC 516 PSYCHOPATHOLOGY, PSYC 519 BASIC CLINICAL SKILLS, and PSYC 530 ADVANCED RESEARCH METHODS. All courses that count toward meeting the competency requirement must be taken at Roosevelt University.

- **Academic integrity.** The Department of Psychology holds graduate students to professional standards of academic integrity. The department considers actions that present the work of another as one’s own to be unethical and inappropriate. Cheating and plagiarism are never tolerated. The department defines plagiarism as presenting the ideas or words of another as one’s own. Students must follow the rules for appropriate citation and quotation of the words of others, as outlined in the current edition of the American Psychological Association’s publication manual, in all papers and theses. **Students who violate these standards regarding cheating and plagiarism will be considered for dismissal from the program.**

- **Ethical, professional, and interpersonal competency.** Because the psychology programs prepare mental health practitioners, the department is accountable to the public regarding the development of professional and ethical behavior. Thus, in addition to the evaluation of academic performance, students will be evaluated regularly on appropriate professional and interpersonal behavior. **Students who fail to meet academic standards or fail to meet expectations of appropriate professional and interpersonal behavior will be considered for dismissal from the program.**

Program Governance and Personnel

The Department of Psychology appoints a Program Evaluation Group (PEG) to oversee the administration and development of the MA programs in Clinical Psychology and Clinical Psychology (Counseling Practice). The PEG is led by the Director of Clinical MA Programs and is additionally composed of several other faculty members appointed each academic year. In addition, each year a student in one of the clinical MA programs from each campus is invited to represent student interests on the PEG. The PEG is responsible for decisions on student admission and for recommendations on student remediation or dismissal.

Requirements

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<td>PSYC 519</td>
<td>BASIC CLINICAL SKILLS (with a grade of B or better)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 530</td>
<td>ADVANCED RESEARCH METHODS</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 605</td>
<td>PROFESSIONAL, LEGAL AND ETHICAL ISSUES</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 619</td>
<td>ASSESSMENT IN COUNSELING</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Two courses from any Psychology course at the 400, 500, or 600 level

Therapy

Select two of the following:

- PSYC 641 COGNITIVE/BEHAVIORAL COUNSELING
- PSYC 642 PSYCHODYNAMIC COUNSELING
- PSYC 649 GROUP COUNSELING THEORIES & PROCESSES
- PSYC 654 CHILDHOOD & ADOLESCENT THERAPY
- PSYC 656 COUPLES & FAMILY COUNSELING

Final Project

Complete the final project: 6

Total Credit Hours: 39

Final Project

**Regarding the final project:** All students must complete a final project as a requirement for graduation. The final project can be a thesis or a two-course concentration sequence.

- **Thesis (PSYC 690 MA THESIS - 3 credit hours taken twice):** The thesis involves the design, execution, and analysis of an empirical study. A student may begin formal thesis work after meeting the competency requirement and successfully completing PSYC 407 INTERMEDIATE STATISTICS and PSYC 530 ADVANCED RESEARCH METHODS. The student must select a two-member faculty committee for supervision. The committee chair must be a member of the Department of Psychology faculty. Adjunct faculty may serve on thesis committees only with the permission of the chair of the Department of Psychology. In a thesis project, the student first develops a written research proposal in consultation with his/
her committee. When completed, the proposal is defended orally before the thesis committee. If the proposal is approved, the thesis research may begin. When the study is completed and written, the thesis is defended at a final oral examination before the committee.

A description of the final project requirements may be found on the Roosevelt University website. All research involving human participants must also be approved by the University’s Institutional Review Board (IRB). A student who has not completed a thesis within the semesters of regular registrations must maintain continued registration during fall and spring semesters until completion of the project by registering for the appropriate zero-credit course (PSYC 690Y THESIS COMPLETION).

- **Concentration Sequence:** Students may elect a two-course concentration sequence as the final project. Students should consult with the Director of the Clinical Psychology MA Programs to select these courses. Concentration sequence courses may not also be counted as general electives or therapy electives.

### Final Project: Thesis

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 690</td>
<td>MA THESIS (Semester 1)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 690</td>
<td>MA THESIS (Semester 2)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 6

### Final Project: Concentration Sequence

Consult with the Director of the Clinical MA Programs to select 6 credit hours for your concentration sequence.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C+, C, or C- (six credit hours) may be applied toward the 39 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

#### Year 1

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 505 3</td>
<td>PSYC 407 3</td>
</tr>
<tr>
<td>PSYC 516 3</td>
<td>PSYC 605 3</td>
</tr>
<tr>
<td>PSYC 519 3</td>
<td>PSYC 619 3</td>
</tr>
<tr>
<td>PSYC 530 3</td>
<td></td>
</tr>
<tr>
<td><strong>Total 12</strong></td>
<td><strong>9</strong></td>
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</table>

#### Year 2

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 4XX, 5XX, or 6XX 3</td>
<td>PSYC 641, 642, 649, 654, or 656 3</td>
</tr>
<tr>
<td>PSYC 4XX, 5XX, or 6XX 3</td>
<td>PSYC 641, 642, 649, 654, or 656 3</td>
</tr>
</tbody>
</table>

### Requirements

- **Core Courses:**
  - CST 408  ADVANCED ALGORITHMS  3
  - CST 411  INTELLIGENCE SYSTEMS  3
  - CST 421  DATA MINING  3

---

**Computer Science, MS**

Roosevelt’s Department of Computer Science and Information Technology offers a 30 credit-hours Master of Science in Computer Science. This program is designed for individuals who want to upgrade their knowledge in the field of computer science or for those who desire a career change.

**Requirements**

To earn the MS in computer science, students must complete at least 30 credit hours of course work, including five required courses, three 400-level CST electives, and two courses for thesis or project work as a capstone requirement. Courses must be chosen in consultation with an advisor.

Any courses that were taken as part of the undergraduate program may not be repeated for graduate credit. Because of the rapidly changing nature of this field of study, computing courses taken more than four years ago cannot be counted towards degree requirements unless the student has been continuously registered during the time-frame in question (excluding summers).

An overall grade point average of B (3.0) or higher must be maintained in graduate-level courses with no more than two grades of C. A graduate course can only be repeated once; no more than two courses can be repeated.

**BRIDGE Courses**

Students from a non-computer science major or otherwise missing the following courses can be admitted on the condition that they complete the list of bridge courses as part of their program. Students from Computer Science, Information Technology, Computer Engineering, or related majors may need up to two bridge courses. Students from other majors may need up to five bridge courses.

Students admitted with bridge course conditions must complete bridge courses with C- or better in the first year. A bridge course can be waived by a placement test in the first semester. Bridge courses are not counted towards the masters degree.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 150</td>
<td>COMPUTER SCIENCE I</td>
<td>4</td>
</tr>
<tr>
<td>CST 250</td>
<td>COMPUTER SCIENCE II</td>
<td>4</td>
</tr>
<tr>
<td>CST 261</td>
<td>COMPUTER ORG &amp; ASSEMBLER</td>
<td>3</td>
</tr>
<tr>
<td>CST 280</td>
<td>INTRODUCTION TO ALGORITHMS</td>
<td>3</td>
</tr>
<tr>
<td>CST 317</td>
<td>OPERATING SYSTEMS</td>
<td>3</td>
</tr>
</tbody>
</table>

---

**BRIDGE Courses**

Students from a non-computer science major or otherwise missing the following courses can be admitted on the condition that they complete the list of bridge courses as part of their program. Students from Computer Science, Information Technology, Computer Engineering, or related majors may need up to two bridge courses. Students from other majors may need up to five bridge courses.

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<tr>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CST 150</td>
<td>COMPUTER SCIENCE I</td>
<td>4</td>
</tr>
<tr>
<td>CST 250</td>
<td>COMPUTER SCIENCE II</td>
<td>4</td>
</tr>
<tr>
<td>CST 261</td>
<td>COMPUTER ORG &amp; ASSEMBLER</td>
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</tr>
<tr>
<td>CST 280</td>
<td>INTRODUCTION TO ALGORITHMS</td>
<td>3</td>
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<tr>
<td>CST 317</td>
<td>OPERATING SYSTEMS</td>
<td>3</td>
</tr>
</tbody>
</table>
Conflict and Mediation, MACM

Program description

The MA in Conflict and Mediation prepares students to work as professional mediators or to work in job positions where conflict resolution skills are utilized. The program includes Mediation Certification from the Chicago Center for Conflict Resolution, a non-profit partner of Roosevelt, and real-world mediation experience. Coursework includes the full range of societal conflict, from familial and interpersonal conflict to public and community conflict.

Mediators work in many areas, including social services, government, education, health care, human resources, project management, customer service, politics, insurance, and sales. Common employers include corporations, educational institutions, health care organizations, insurance companies, and banks. The degree will enhance a professional’s ability to manage conflict in their current organization. Professionals in the fields of organizational development, human resources, law, and criminal justice can make ready use of the variety of skills learned in this program. Recent college graduates will gain marketable skills to add to their resume.

Roosevelt’s is the only such degree in Conflict and Mediation in the Chicago region that embeds the Chicago Center for Conflict Resolution’s Certification, as well as practicums with real mediation clients. That means students have the opportunity to perform actual supervised mediation during the program. The university’s longstanding dedication to social justice principles provides a helpful ethical framework for the curriculum.

Program objectives

From an over-arching perspective, the Conflict and Mediation Master’s program is grounded on three central ideas:

1. Managing conflict is a construct that can be learned and developed.
2. Managing conflict and mediating assertively is rooted in the ability to communicate purposefully, to evaluate situations, reflect back both facts and feelings, and to adjust one’s style to manage the realities of the given conflictual situation.
3. The ability to de-escalate conflict and move toward resolution is a skill that enhances the personal, familial, organizational, and social good.

Admission

A personal statement and an interview with the program director or a faculty member is required of all applicants. For additional admission
Course requirements

The MA in Conflict and Mediation is offered in a combination of online and in-person classes at the Chicago Campus, most lasting eight weeks. Students take 10 courses; the program can be completed in two years, taking one class at a time. The Conflict Simulation course (CNMN 480), which is taught by professionals from the Center for Conflict Resolution, is offered in part at the organization's office in Chicago.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMN 400</td>
<td>CRITICAL AND CREATIVE THOUGHT</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 410</td>
<td>INTERPERSONAL COMMUNICATION IN CONFLICT AND MEDIATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 420</td>
<td>CONFLICT MANAGEMENT RESEARCH METHODS</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 430</td>
<td>ALTERNATIVE DISPUTE RESOLUTION (ADR) CONTINUUM</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 440</td>
<td>FACILITATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 450</td>
<td>THEORIES OF CONFLICT AND MEDIATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 475</td>
<td>NEGOTIATION TACTICS/NEGOTIATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 480</td>
<td>CONFLICT SIMULATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 490</td>
<td>ADVANCED APPLIED SKILLS PRACTICUM II</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Course 3

Students take one of the following. Not all elective courses are offered every semester. Contact the program director for more information.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMN 460</td>
<td>PUBLIC AND COMMUNITY CONFLICT</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 465</td>
<td>ORGANIZATIONAL AND LABOR CONFLICT AND MEDIATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 468</td>
<td>FAMILIAL AND INTERPERSONAL CONFLICT AND MEDIATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 485</td>
<td>SPECIAL POPULATIONS AND CURRENT MEDIATION TOPICS</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMN 400</td>
<td>CRITICAL AND CREATIVE THOUGHT</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 450</td>
<td>THEORIES OF CONFLICT AND MEDIATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 475</td>
<td>NEGOTIATION TACTICS/NEGOTIATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 480</td>
<td>CONFLICT SIMULATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 490</td>
<td>ADVANCED APPLIED SKILLS PRACTICUM II</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Course 3

Total Credit Hours 30

Admission

Applicants must hold a bachelor's degree and submit the university graduate application, the creative writing application, three letters of recommendation, statement of purpose, and a portfolio of written work consistent with the requirements listed in the specialty fields below. Applicants who show promise, despite being short of the required quantity of samples, may be referred to other courses in order to build portfolios that will qualify them for admission. After a student completes at least two introductory workshops and at least one literature course, the portfolio will be reviewed for a decision on the student's advancement to candidacy.

Requirements

To earn an MFA in creative writing, students must complete 45 credit hours of graduate work including 21 credit hours of writing workshops; 12

Creative Writing, MFA

The Roosevelt MFA in creative writing is designed to provide writers with the tools and guidance to express their knowledge of human experience and their personal and community aspirations in well-crafted fiction, creative nonfiction, poetry, and dramatic scripts. Staffed by professional writers distinguished for their abilities as teachers, creative writing at Roosevelt is an innovative program dedicated to developing students' literary knowledge and sense of writer's craft while offering real-world guidance for negotiating a future career in writing. To achieve this, the program offers three kinds of experience:

- Practice of various literary forms through workshops in fiction, creative nonfiction, poetry and/or screen writing
- Course work in literary traditions, literary and critical theory, contemporary aesthetic developments, practical analysis of the principles of critique, and prevailing forces and protocols in the literary marketplace
- Training and experience in one or more practical applications of writing, such as editing, publishing, and marketing; public service writing internships placing students in nonprofit or corporate organizations; teaching writing – whether composition, literature, or creative writing – in the University, and creative writing in community youth and senior centers in the Chicago area
credit hours in literature or theory; three credit hours in a practical writing internship; an additional elective or internship; and six credit hours of thesis work. Internships are in public service writing, publishing, arts administration, or teaching.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Four workshop courses in specialty area</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Two elective workshops in a secondary area</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One elective workshop</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Four courses in literature and theory</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective in literature, writing workshop, or additional internship</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Thesis</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>45</td>
</tr>
</tbody>
</table>

A student who has not completed a thesis or other final project must maintain continued registration during fall and spring semesters until completion of the project by registering for the appropriate zero-credit course (course number followed by "Y"). Students who have not maintained continuous registration for thesis or other final project will be required to register for all intervening fall and spring semesters prior to graduation.

Specialization in Fiction

In this sequence of classes, students will work on the process of creating, rewriting, editing, and publishing fiction. Emphasis will be placed on composition, analysis, and critique of narrative and non-narrative forms in a workshop environment. Candidates in the fiction specialty will complete all of the core fiction workshops. These studies will culminate in a thesis project consisting of a novel or book-length fiction collection of publishable quality.

Admission to fiction requires consent of the faculty upon review of a portfolio containing three pieces of fiction totaling at least 5,000 words, a resume of publications and readings, if applicable, and a statement of purpose.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Four workshop courses in specialty area</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>One Class in Fiction Forms Workshop - Primary Genre</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Three Classes in Topics Fiction Workshop - Primary Genre</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Two elective workshops in a secondary area</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One elective workshop</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Four classes in ENG 4XX (Literature and/or Theory)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>One Class of Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Specialization in Creative Nonfiction

Writers interested in developing their skills as essayists, critics, biographers, or other relevant nonfiction specialists will find ample opportunities and direction to meet their goals. Although this genre often uses many of the narrative essentials of fiction, like point of view, voice, and plot, it relies on life experience coordinated with research, both documentary and interview. Declared nonfiction specialists will complete all of the core nonfiction workshops. These studies will culminate in a thesis project consisting of a book-length nonfiction work of publishable quality.

Admission to creative nonfiction requires consent of the faculty upon review of a portfolio of at least three essays of approximately 5,000 words. The portfolio should also include a resume of publications and readings, if applicable, and a statement of purpose.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Four workshop courses in specialty area</td>
<td>12</td>
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<tr>
<td></td>
<td>One Class in Fiction Forms Workshop - Primary Genre</td>
<td>3</td>
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<tr>
<td></td>
<td>Three Classes in Topics Fiction Workshop - Primary Genre</td>
<td>6</td>
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<tr>
<td></td>
<td>Two elective workshops in a secondary area</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One elective workshop</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Four classes in ENG 4XX (Literature and/or Theory)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>One Class of Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Practical Writing Internships

Public-service writing: Students will be placed with a compatible nonprofit concern where they can exercise skills in technical and promotional grant writing and other forms of professional and written expression.
Publishing: Students may enroll in Literary Magazine Production, the class that produces Oyez Review, the professionally edited literary journal affiliated with the program, or may be placed with a publisher in the Chicago community.

Teaching: Students may opt for an internship in the Roosevelt English composition program or in literature or creative writing, or they may develop and conduct creative writing workshops in community senior or youth centers.

Literary marketing: Students will be placed with an organization that develops and produces literary events throughout the city.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different. No more than two grades of C (not C-) may be applied toward the 45 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRWR 431A</td>
<td>3</td>
<td>CRWR 431B</td>
<td>3</td>
</tr>
<tr>
<td>CRWR 434A</td>
<td>3</td>
<td>CRWR 434B</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4XX</td>
<td>3 CRWR 483, 484, 485, ENG 484, or ENG 487</td>
<td>3</td>
<td>9</td>
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</table>

Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CRWR 432A or 437</td>
<td>3 CRWR 43X1</td>
<td>3 CRWR 43X1</td>
<td>3</td>
</tr>
<tr>
<td>CRWR 43X1</td>
<td>3 ENG 4XX</td>
<td>3 ENG 4XX</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4XX</td>
<td>3 CRWR 490</td>
<td>3 CRWR 490</td>
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Year 3

<table>
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<tr>
<th>Fall</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENG/CRWR 4XX</td>
<td>3</td>
</tr>
<tr>
<td>CRWR 490</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4XX</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 45

1 For specialization in Fiction, students will take CRWR 431B. For specialization in Nonfiction, students will take CRWR 434B.

Cyber Security & Information Assurance, MS

This program educates professionals for the fast growing and wide ranging information security and cyber security markets by providing foundations in the theory of information security as well as knowledge needed to properly design, implement and manage secured IT infrastructure and risks in an enterprise.

It provides students with a coherent framework for developing foundational knowledge within the multi-disciplinary field of global security studies and informs students of opportunities for internships and professional careers in the private and public sectors concerned with national and global security.

Students will learn the fundamentals of Cyber Security and Information Assurance leadership and decision making in both private and public enterprises. This includes planning, security assessment, and computer security ethics.

To earn the MS in Cyber Security and Information Assurance, students must complete all four required security courses, two elective security courses from the list, and at least 30 credit hours of course work. Courses must be chosen in consultation with an advisor.

An overall grade point average of B (3.0) or higher must be maintained in graduate-level courses with no more than two grades of C.

Because of the rapidly changing nature of this field of study, computer science or related courses taken more than six years ago cannot be counted towards degree requirements unless the student has been continuously registered during the timeframe in question (excluding summers).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CSIA 401</td>
<td>INTRO TO COMPUTER SECURITY</td>
<td>3</td>
</tr>
<tr>
<td>CSIA 411</td>
<td>CYBER ETHICS, PRIVACY, &amp; LEGAL</td>
<td>3</td>
</tr>
<tr>
<td>CSIA 451</td>
<td>NETWORKS SECURITY</td>
<td>3</td>
</tr>
<tr>
<td>CSIA 438</td>
<td>SECURE SOFTWARE ENGINEERING</td>
<td>3</td>
</tr>
</tbody>
</table>

Security Electives (choose two) 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIA 409</td>
<td>CLOUD COMPUTING AND SECURITY</td>
<td>3</td>
</tr>
<tr>
<td>CSIA 410</td>
<td>PLANNING AND BUDGETING THE CISO LIFECYCLE</td>
<td>3</td>
</tr>
<tr>
<td>CSIA 414</td>
<td>ENTERPRISE CONTINUITY &amp; RECOVERY PLANNING</td>
<td>3</td>
</tr>
<tr>
<td>CSIA 475</td>
<td>COMPUTER FORENSICS</td>
<td>3</td>
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</table>

Electives 6-9

Should be selected from graduate level courses in Computer Science major or other graduate level courses approved by the program director.

Internship, Thesis or Project 3-6

Students must choose one of the following options:

Internship:
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIA 494</td>
<td>INTERNSHIP</td>
</tr>
</tbody>
</table>

Masters thesis:
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIA 485</td>
<td>THESIS/PROJECT RESEARCH</td>
</tr>
<tr>
<td>CSIA 490</td>
<td>MASTERS THESIS</td>
</tr>
</tbody>
</table>

Project:
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIA 485</td>
<td>THESIS/PROJECT RESEARCH</td>
</tr>
<tr>
<td>CSIA 499</td>
<td>MASTERS PROJECT</td>
</tr>
</tbody>
</table>

Note: Any course crosslisted as an undergraduate course will not be counted towards the masters degree.
A student must choose one of the following three options as part of the degree requirements.

1. **Thesis option.** A student must select a willing faculty mentor from the Cyber division and register for CSIA 485 in their second-to-last semester. During the last semester, they must register for CSIA 490.

2. **Project option.** A student must select a willing faculty mentor from the Cyber division and register for CSIA 485 in their second-to-last semester. During the last semester, they must register for CSIA 499.

3. **Internship option.** A student must register for CSIA 494.

Note:

Students must get consent to register for CSIA 490, CSIA 494, CSIA 485, CSIA 499 from a faculty member from the Cyber division. At the end of each of these courses, a committee consisting of minimum 3 members (where the majority of the members must be from the Cyber division AND at most two of the members can be from outside the division) will review the work performed and approve for successful completion of these courses.

**Year 1**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIA 401</td>
<td>3 CSIA 451</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CSIA 411</td>
<td>3 CSIA 438</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Security Elective¹</td>
<td>3 Security Elective¹</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9</td>
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</tr>
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</table>

**Year 2**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIA 485 or CSIA 4XX²</td>
<td>3 CSIA 490, 494, or 499</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CSIA 4XX</td>
<td>3 CSIA 4XX</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>6</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credit Hours 30

¹ Choose from CSIA 409, CSIA 410, CSIA 414, or CSIA 475

² Students will take an elective if completing the Internship option

**Economics, MA**

'Drop everything and solve a world problem: Major in Economics,' could well be the slogan of Roosevelt’s M.A. Program in Economics. Our faculty are dedicated to using economics to address problems of unemployment, poverty, income and wealth inequality, social justice, global climate change, and inequality among nations, among others.

Our course offerings are closely aligned with the mission of the university to educate socially conscious citizens and leaders. Economics, as taught at Roosevelt, includes the study of income distribution, globalization, caring labor, wages and working conditions, equity, social justice, and democratic economic planning, all of which are an integral part of developing a consciousness of social justice, economic abundance, and individual liberty appropriate to the twenty-first century.

Roosevelt is one of the few universities in the United States where students can study theoretical and applied economics from pluralist and heterodox points of view, in addition to the mainstream.

Pluralism, heterodoxy, intellectual tolerance and diversity of thought and method form the context for the goals of the Economics Program. We do not seek to replace one orthodoxy with another but rather to encourage our students to view economics as an evolving discipline that can help them make sense of the world around them. We seek to provide a series of lenses and analytical skills with which they can critically examine political, social and economic issues, weigh evidence, ask questions, develop their intellectual curiosity and appreciate diversity of thought.

Economics at Roosevelt and nationwide is a time tested major that prepares students for successful careers. A recent paper, "Why It Pays to Major in Economics," published in the *Journal of Economics Education*, reports that MAs in Economics earn between 25 and 30% more, on average than those earning MAs in all other disciplines. Among all majors, the College Board reports that Economics majors rank third in both starting and mid-career earnings. A recent article on the website Slate, is titled "Want to be Stinking Rich? Major in Economics" (*Slate*, September 29, 2014). Roosevelt MA graduates do well, just like their national peers. Our graduates work for business and government, management and finance, and academia. Among our recent graduates was the chief economist for the State of Illinois, the Dean of the College of Arts and Sciences at a Chicago area community college, the Controller at a major corporation, and Economists at the United States Department of Labor’s, Bureau of Labor Statistics. Ten of our recent graduates have gone on to Ph.D. programs.

**Admission**

Applicants for admission to graduate work in Economics must meet the general requirements for admission to graduate work in the University. Students must have completed an undergraduate degree, not necessarily in economics, to undertake graduate-level work. ECON 101 and/or ECON 102 are usually required, before beginning the graduate program, for those students with insufficient preparation in economics.

**Internships**

Economist internships at local government offices, social service agencies, non-profit organizations, and for-profit businesses are available, for credit, to assist students in career choice and development. Chicago is a dynamic city and major world center of finance, business, government, social activism, and philanthropy. Our internship program provides students with opportunities in all these areas.

**Standards**

Any graduate student who earns more than two C’s, including grades of C+, C, and C-, will be dropped from the program. Students must have an overall GPA of 3.0 or better to receive an M.A. degree.

**Advising**

All graduate students must formulate their programs with approval of the graduate advisor. When students are planning their programs they should be aware that many courses are taught in only one semester of the academic year and plan accordingly. For information on the timing of courses for the coming year, consult the economics advisor.

**Requirements**

Students earn an MA in Economics by successfully completing 33-36 credit hours of coursework at the 400 level. ECON 421 MACROECONOMIC THEORY and ECON 423 MICROECONOMIC THEORY must be taken within the first year of graduate study and passed with grades of B or higher. Any electives taken outside of economics must be taken at the 400 level and be approved in advance by the economics advisor. Students may petition the graduate advisor to have up to two courses completed with a grade of B or higher and taken elsewhere transferred for credit.
credit is not given for ECON 403 ECONOMICS FOR DECISION MAKERS. Students with strong preparation in economics may be able to enroll directly in ECON 465 ADVANCED MICROECONOMIC THEORY and/or skip ECON 436 QUANTITATIVE ANALYSIS FOR MANAGERS and enroll directly in ECON 446 INTRODUCTION TO ECONOMETRICS, subject to approval by the economics advisor. Students who place out of these courses must still complete 36 credit hours.

**Thesis Option**
In rare cases and subject to the approval of the faculty, students may choose to write a thesis in lieu of two courses, an elective and an advanced theory course. In order to be approved for the thesis option, students must present a five-page prospectus to a full-time member of the department and gain consent in writing from that professor that she or he will serve as chair of the thesis committee.

Students should be aware that writing a thesis is a time-consuming and rigorous process and involves far more work than the two courses that are waived. The rewards can be enormous, but so is the workload, so think carefully before exercising this option. Like students pursuing the non-thesis option, thesis students must complete ECON 421 MACROECONOMIC THEORY and ECON 423 MICROECONOMIC THEORY within the first year of graduate study with grades of B or higher. Any electives taken outside of economics must be taken at the 400 level and approved in advance by the economics advisor. Graduate credit is not given for ECON 403 ECONOMICS FOR DECISION MAKERS. Students with strong preparation in economics may be able to enroll directly in ECON 465 ADVANCED MICROECONOMIC THEORY and/or skip ECON 436 QUANTITATIVE ANALYSIS FOR MANAGERS and enroll directly in ECON 446 INTRODUCTION TO ECONOMETRICS, subject to approval by the economics advisor.

Students considering the thesis option are strongly encouraged to take Rhetoric and Writing in Economics.

**Non-Thesis Option**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 421</td>
<td>MACROECONOMIC THEORY</td>
<td>3</td>
</tr>
<tr>
<td>ECON 423</td>
<td>MICROECONOMIC THEORY</td>
<td>3</td>
</tr>
<tr>
<td>ECON 436</td>
<td>QUANTITATIVE ANALYSIS FOR MANAGERS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 440</td>
<td>ADVANCED MACROECONOMIC THEORY</td>
<td>3</td>
</tr>
<tr>
<td>ECON 446</td>
<td>INTRODUCTION TO ECONOMETRICS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 463</td>
<td>MATHEMATICS FOR ECONOMICS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 465</td>
<td>ADVANCED MICROECONOMIC THEORY</td>
<td>3</td>
</tr>
</tbody>
</table>

**Thesis Option**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 421</td>
<td>MACROECONOMIC THEORY</td>
<td>3</td>
</tr>
<tr>
<td>ECON 423</td>
<td>MICROECONOMIC THEORY</td>
<td>3</td>
</tr>
</tbody>
</table>

A student who has not completed the thesis must maintain continuous registration during fall and spring semesters until completion of the thesis by registering for the appropriate zero-credit course (course number followed by “Y”). Students who have not maintained continuous registration for the thesis will be required to register for all intervening fall and spring semesters prior to graduation.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C-) may be applied toward the 36 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

**Year 1**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 421</td>
<td>3</td>
<td>ECON 423</td>
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<tr>
<td>ECON 463</td>
<td>3</td>
<td>ECON 440</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4XX</td>
<td>3</td>
<td>ECON 436</td>
<td>3</td>
</tr>
</tbody>
</table>

**Year 2**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 465</td>
<td>3</td>
<td>ECON 446</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4XX</td>
<td>3</td>
<td>ECON 4XX¹</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4XX</td>
<td>3</td>
<td>ECON 4XX²</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours 36**

1. Students completing thesis option will take ECON 490.
2. Students completing thesis option do not need this course and will complete their program with 33 hours.

**General Psychology, MA**

Roosevelt offers both master’s and doctoral degrees in psychology. The MA degrees are in the areas of general, clinical (counseling practice), and industrial/organizational psychology (including an option for combined IO MA/MBA); the PsyD is in clinical psychology.

The General Psychology MA program is designed to provide students with a foundation in clinical psychology, which can lead to potential advancement in the workplace, expertise in a research setting, or
preparation for doctoral studies. This is a 30-credit hour master’s degree offered in General Psychology that may be completed online in the course of one year (Fall, Spring, Summer). Courses are offered in either 8- or 16-week format. No research thesis is required for the degree. Competencies follow APA guidelines for MA degrees including: 1) Knowledge Base in Psychology, 2) Scientific Mindedness, 3) Ethical and Social Responsibility in a Diverse World 4) Communication, and 5) Professional Development.

There are two concentrations in the program: 1) Quantitative & Methods, which includes elective courses PSYC 407 Intermediate Statistics, PSYC 500 Advanced Statistics, other I/O topics; 2) Applied, which includes elective courses PSYC 505 Foundations of Counseling, PSYC 515 Chemical Dependence, PSYC 619 Assessment in Counseling, PSYC 623 Theories of Psychotherapy, or PSYC 640 Mental Health Practice in Settings.

Graduates of this program are NOT eligible to apply for licensure as a professional counselor. This is a 30-credit hour program that provides broad-based training in psychological intervention as well as in the theory and research that supports these practices. This program is designed for those who are currently employed in fields such as social work, counseling, nursing, or business and wish to broaden their areas of expertise. Students who wish to seek the professional counselor’s license (LPC, or later, LPCP) should apply to the Clinical Psychology (Counseling Practice) MA program.

Admission

It is recommended that applicants have completed the following prerequisite courses with at least a 3.0 (B) average: general psychology, abnormal psychology, and research methods.

Applications are considered on a rolling basis. Applicants may contact the admissions office for more information. Classes are offered in an 8- or 16-week format online.

Requirements

Program Curriculum

Students must complete the following courses to complete the MA degree:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 516</td>
<td>PSYCHOPATHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 530</td>
<td>ADVANCED RESEARCH METHODS</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 580</td>
<td>LEARN BASES OF BEHAVIOR FOR COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 605</td>
<td>PROFESSIONAL, LEGAL AND ETHICAL ISSUES</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 606</td>
<td>HUMAN DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 633</td>
<td>SOCIAL PSYCHOLOGY &amp; GROUP DYNAMICS</td>
<td>3</td>
</tr>
</tbody>
</table>

Select four of the following electives: 12

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 407</td>
<td>INTERMEDIATE STATISTICS</td>
<td></td>
</tr>
<tr>
<td>PSYC 500</td>
<td>ADVANCED STATISTICS</td>
<td></td>
</tr>
<tr>
<td>PSYC 505</td>
<td>FOUNDATIONS OF COUNSELING</td>
<td></td>
</tr>
<tr>
<td>PSYC 515</td>
<td>CHEMICAL DEPENDENCE</td>
<td></td>
</tr>
<tr>
<td>PSYC 619</td>
<td>ASSESSMENT IN COUNSELING</td>
<td></td>
</tr>
<tr>
<td>PSYC 623</td>
<td>THEORIES OF COUNSELING &amp; PSYCHOTHERAPY</td>
<td></td>
</tr>
<tr>
<td>PSYC 640</td>
<td>MENTAL HEALTH PRACTICE IN SETTINGS</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 30

RESEARCH METHODS. All courses that count toward meeting the competency requirement must be taken at Roosevelt University.

- **Academic integrity.** The Department of Psychology holds graduate students to professional standards of academic integrity. The department considers actions that present the work of another as one's own to be unethical and inappropriate. Cheating and plagiarism are never tolerated. The department defines plagiarism as presenting the ideas or words of another as one's own. Students must follow the rules for appropriate citation and quotation of the words of others, as outlined in the current edition of the American Psychological Association's publication manual, in all papers and theses. Students who violate these standards regarding cheating and plagiarism will be considered for dismissal from the program.

- **Ethical, professional, and interpersonal competency.** Because the psychology programs prepare mental health practitioners, the department is accountable to the public regarding the development of professional and ethical behavior. Thus, in addition to the evaluation of academic performance, students will be evaluated regularly on appropriate professional and interpersonal behavior. Students who fail to meet academic standards or fail to meet expectations of appropriate professional and interpersonal behavior will be considered for dismissal from the program.

Program Governance and Personnel

The Department of Psychology appoints a Program Evaluation Group (PEG) to oversee the administration and development of the MA programs in General Psychology and Clinical Psychology (Counseling Practice). The PEG is led by the director of Clinical MA Programs and several other faculty members appointed each academic year.

- **General GPA standards:** Students must maintain a minimum 3.0 (B) grade point average. No more than two grades of C+, C, or C- (six credit hours) will be counted toward the MA degree. For additional information concerning grading and academic discipline, see the general University regulations.

- **Time limit:** Students are allowed six years in which to complete the MA degree and only courses completed within six years of the time the student enters the program will be counted toward the degree.

- **Competency requirement.** The competency requirement is designed to ensure that all students seeking the MA degree demonstrate an acceptable level of mastery of general psychology. It is a prerequisite for all 600-level courses. The competency requirement must be met within the first 18 credit hours of graduate credit. **Students who fail to satisfy the competency requirement within this time period will be considered for dismissal from the program.** Students can meet the competency requirement in one of the two ways described below.

a. **GRE method.** Students must earn a score of at least the 70th percentile on the psychology subject test of the Graduate Record Examination.

b. **Grade point average method.** Students must achieve a grade point average of at least 3.0 in the following courses: PSYC 516 ([https://catalog.roosevelt.edu/search/?P=PSYC%20516/](https://catalog.roosevelt.edu/search/?P=PSYC%20516/)) PSYCHOPATHOLOGY and PSYC 530 ([https://catalog.roosevelt.edu/search/?P=PSYC%20530/](https://catalog.roosevelt.edu/search/?P=PSYC%20530/)) ADVANCED
Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C-) may be applied toward the 30 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

### Year 1

<table>
<thead>
<tr>
<th></th>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Summer Credit Hours</th>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 516</td>
<td>3 PSYC 580</td>
<td>3 PSYC 4XX, PSYC 5XX, or PSYC 6XX</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>PSYC 530</td>
<td>3 PSYC 633</td>
<td>3 PSYC 4XX, PSYC 5XX, or PSYC 6XX</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>PSYC 605</td>
<td>3 PSYC 4XX, PSYC 5XX, or PSYC 6XX</td>
<td>3</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PSYC 606</td>
<td>3 PSYC 4XX, PSYC 5XX, or PSYC 6XX</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit Hours 30**

### History, MA

The Department of History offers two programs, the MA in History and the joint MA in History and Certificate in Archives and Cultural Heritage Resources and Services.

The MA program in History serves students who seek to teach history in a secondary school or community college; to prepare for a PhD degree; or to prepare for government positions or other careers requiring advanced study of history. The program offers instruction in the following fields: United States history to 1877, United States history since 1877, early modern European history, modern European history, African American history and Atlantic World history.

In addition to obtaining an MA degree in History, students may also pursue a Certificate in Archives and Cultural Heritage Resources and Services, offered in conjunction with Dominican University. The Certificate in Archives and Cultural Heritage Resources and Services offers courses related to archives and cultural heritage collection processing and management, community archives development and management, digital archives or collections development and maintenance, cultural heritage documentation and preservation, historical records curation, and electronic records systems development and management. The certificate also offers fieldwork that provides students with the opportunity to work with professional archivists in community archives, historical societies, corporations and other institutions.

### Admission

Additional information about history-specific graduate application requirements and deadlines, funding, as well as graduate advising, is available here (https://www.roosevelt.edu/academics/programs/masters-in-history-ma/) (scroll to bottom of linked page for admission requirements). Students may visit the Graduate Admission web pages (https://www.roosevelt.edu/Admission/Graduate/Requirements.aspx) to begin the application process for admission to the MA program in History. In addition to undergraduate transcripts and a completed application form, students must write an essay response to a question furnished through the Graduate Admission office and supply the names of two references from academics or others with knowledge of the applicant’s ability to undertake graduate-level work in History. All application materials should be sent to the Graduate Admission office.

### Requirements

Students may choose one of two options toward the MA degree in History. The first, the thesis option, requires 30 hours of course work plus 3 credit hours of the thesis course for a total of 33 hours. The second, the non-thesis option, requires 36 credit hours of course work. A fuller explanation of these two options may be found below. Students must take at least half of their coursework in 400-level-only classes, as stipulated above.

At all stages, particularly before applying for graduation, students are responsible for checking on their progress toward fulfillment of degree requirements. Students must earn grades of B- or better in all course work, and they must maintain a 3.0 grade point average to continue in the program. Students receiving two grades of C+ or lower will be unable to continue in the program.

There is no formal foreign language requirement; however, competence in a foreign language is recommended for students choosing a field outside US history. Graduate students should also be aware that most doctoral programs require competence in one or more foreign languages.

### Reading seminars and research seminars

MA students must take two readings seminars, but may enroll in more than two provided they do not repeat a course. These seminars will be offered in the following fields: US History before 1877; US History since 1877; African American History; Early Modern European History; Modern European History; and Atlantic World History. Students should consult with the graduate advisor to plan their course of study and choose their reading seminars. The graduate research seminar, HIST 450 GRADUATE SEMINAR, is offered during the spring semester and enables students to conduct research on a topic related to the above fields.

### Thesis Option

Students who opt to write a thesis must complete 33 credit hours of course work, of which at least 24 credit hours must be taken in History at Roosevelt. In addition to HIST 450 GRADUATE SEMINAR and two graduate reading seminars, students take seven 400-level electives, at least two of which must be in 400-level-only classes. The two 400-only electives may include additional sections of the readings class, the seminar, or 400-level courses designated only for graduate students. They may also include HIST 484 INTERNSHIP IN HISTORY or HIST 485
INTERNship in teaching History. Students taking multiple sections of the readings courses or seminar may not repeat the same topic.

A seminar paper acceptable to the program is generally written in conjunction with HIST 450 graduate seminar to demonstrate command of historical method and interpretation. Students who have selected this option must write a thesis (HIST 490 thesis) that conforms to university regulations and is acceptable to the program. A thesis topic should be selected early and consent of two faculty sponsors secured.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 450</td>
<td>GRADUATE SEMINAR</td>
<td>3</td>
</tr>
<tr>
<td>HIST 490</td>
<td>THESIS</td>
<td>3</td>
</tr>
<tr>
<td>Graduate Reading Seminar in History (Choose two)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIST 428A</td>
<td>READINGS IN U.S. HISTORY TO 1877</td>
<td></td>
</tr>
<tr>
<td>HIST 428B</td>
<td>READINGS IN U.S. HISTORY FROM 1877</td>
<td></td>
</tr>
<tr>
<td>HIST 429A</td>
<td>READINGS IN EUROPEAN HISTORY, 1400-1750</td>
<td></td>
</tr>
<tr>
<td>HIST 429B</td>
<td>READINGS IN EUROPEAN HISTORY, 1750-PRESENT</td>
<td></td>
</tr>
<tr>
<td>HIST 436</td>
<td>READINGS IN AFRICAN AMERICAN HISTORY</td>
<td></td>
</tr>
<tr>
<td>HIST 438</td>
<td>READINGS IN ATLANTIC WORLD HISTORY</td>
<td></td>
</tr>
</tbody>
</table>

Select nine 400-level electives in History, three of which must be in 400-level-only classes  27

Total Credit Hours 36

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different. Students receiving two grades of C+ or lower will be unable to continue in the program. A graduate course can only be repeated once; no more than two courses can be repeated.

Non-Thesis Track

Students who select the non-thesis option must complete 36 credit hours of course work, of which at least 27 credit hours must be taken at Roosevelt. In addition to HIST 450 GRADUATE SEMINAR and two graduate reading seminars, students must take nine 400-level electives, at least three of which must be in 400-level-only classes. The 400-only electives may include additional sections of the readings class, the seminar, or 400-level courses designated only for graduate students. They may also include HIST 484 INTERNSHIP IN HISTORY or HIST 485 INTERNSHIP IN TEACHING HISTORY. Students taking multiple sections of the readings courses or seminar may not repeat the same topic.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 450</td>
<td>GRADUATE SEMINAR</td>
<td>3</td>
</tr>
<tr>
<td>Graduate Reading Seminar in History (Choose two)</td>
<td>6</td>
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<tr>
<td>HIST 428A</td>
<td>READINGS IN U.S. HISTORY TO 1877</td>
<td></td>
</tr>
<tr>
<td>HIST 428B</td>
<td>READINGS IN U.S. HISTORY FROM 1877</td>
<td></td>
</tr>
<tr>
<td>HIST 429A</td>
<td>READINGS IN EUROPEAN HISTORY, 1400-1750</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 33

A student who has not completed a thesis must maintain continued registration during fall and spring semesters until completion of the thesis by registering for the appropriate zero-credit course (HIST 490Y MASTERS THESIS COMPLETION). Students who have not maintained continuous registration for the thesis will be required to register for all intervening fall and spring semesters prior to graduation.

Thesis Track

Students receiving two grades of C+ or lower will be unable to continue in the program. A graduate course can only be repeated once; no more than two courses can be repeated.
## Industrial/Organizational Psychology, MA

Roosevelt offers both master’s and doctoral degrees in psychology: the Master of Arts (MA) and the Doctor of Psychology (PsyD). The MA degrees are in the areas of clinical, general psychology, clinical (counseling practice), and industrial/organizational psychology (including an option for combined IO MA/MBA). The PsyD is in clinical psychology.

The MA program in Industrial/Organizational (I/O) Psychology follows the scientist/practitioner model. This means that students are trained in research methodology and quantitative approaches to address practical organizational issues. Further, students are trained to apply this knowledge and scientific approach to problems in the workplace.

### Admission

Applicants must meet graduate admission requirements as detailed in the Policies and Procedures section of the university’s website (https://www.roosevelt.edu/admission/graduate/) and must have completed at least 18 credit hours in psychology at the undergraduate level with at least a 3.0 (B) average. Undergraduate courses must include general psychology, introductory statistics, research methods, and one junior/senior level undergraduate course. Some students may be admitted with undergraduate deficiencies. In such cases, undergraduate courses may be taken concurrently with some graduate courses with the permission of the program director, but these courses will not earn graduate credit. Continuation in the program is conditional upon satisfactory completion of all undergraduate deficiencies. The priority deadline is November 1 for Spring Admission and March 1 for Fall Admission.

The program admits new students each fall and spring semester on both a full and part-time basis. We admit both students coming directly from undergraduate programs and mid-career students returning to the university after extensive work experience.

These are the requirements:

- Completed application
- Admissions essay (Personal Statement/Letter of Intent)
- GRE General Test Score
- Transcript review
- 18 undergraduate credit hours of Psychology, including Statistics and Research Methods
- Additional materials (such as letters of recommendation) may be requested, if the above are not enough to indicate a high probability of success in the program.

Roosevelt considers each applicant on an individual basis and seeks diversity in ethnic and cultural background, education and life experience, and sexual orientation.

### Standards within program

- **General GPA standards:** Students must maintain a minimum 3.0 (B) grade point average. No more than two grades of C+, C, or C- (six semester hours) will be counted toward the MA degree. For additional information concerning grading and academic discipline, see the general University regulations for Academic Standing (https://catalog.roosevelt.edu/graduate/policies/academic-standing/).
- **Time limit:** Students are allowed six years in which to complete the MA degree and only courses completed within six years of the time the student enters the program will be counted toward the degree.
- **Academic integrity:** The Department of Psychology holds graduate students to professional standards of academic integrity. The Department considers actions that present the work of another as one’s own to be unethical and inappropriate. Cheating and plagiarism are never tolerated. The department defines plagiarism as presenting the ideas or words of another as one’s own. Students must follow the rules for appropriate citation and quotation of the words of others, as outlined in the current edition of the American Psychological Association’s publication manual, in all papers and theses. Students who violate these standards regarding cheating and plagiarism will be considered for dismissal from the program.
- **Ethical, professional, and interpersonal competency:** Because the psychology programs prepare Master’s Level I/O Practitioners, the department is accountable to the public regarding the development of professional and ethical behavior. Thus, in addition to the evaluation of academic performance, students can be evaluated on appropriate professional, and interpersonal behavior. Students who fail to meet academic standards or fail to meet expectations of appropriate professional and interpersonal behavior will be considered for dismissal from the program.

### Requirements

#### Program Curriculum

Students must complete the following courses to complete the MA degree:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 407</td>
<td>INTERMEDIATE STATISTICS</td>
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</tr>
<tr>
<td>PSYC 462</td>
<td>ORGANIZATIONAL PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 463</td>
<td>PERSONNEL PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 500</td>
<td>ADVANCED STATISTICS</td>
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</tr>
<tr>
<td>PSYC 530</td>
<td>ADVANCED RESEARCH METHODS</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 690</td>
<td>MA THESIS</td>
<td>1</td>
</tr>
<tr>
<td>or PSYC 699</td>
<td>MA INDUSTRIAL/ORGANIZATIONAL PRACTICUM</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Electives

- Four graduate Psychology courses at the 660+ level (I/O Topics courses) ²  12
- One graduate Psychology course (400 level or higher) ³  3
- One graduate Psychology, Business or Public Administration course (400 level or higher) ³  3

**Total Credit Hours**: 36

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² Additional materials (such as letters of recommendation) may be requested, if the above are not enough to indicate a high probability of success in the program.

³ Students are required to complete a minimum of 12 credit hours in the 660+ level I/O Topics courses.

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Capstone Experiences

Students must complete one of the three capstone options to complete the program.

- **Option 1: The internship/practicum option** requires students to complete 400 hours of work in an organization and write a literature review paper under the supervision of an I/O faculty member. Psychology students may begin an internship/practicum after completing 18 credit hours and one relevant 660-level I/O course and having the practicum approval form signed by the internship committee chair.

- **Option 2: The thesis option** requires students to complete an original piece of primary research under the supervision of an I/O faculty member.

- **Option 3: The course sequence option** requires students to complete three additional courses as approved by their I/O Psychology faculty advisor, instead of thesis or internship credit. This option results in a total of 42 credit hours to complete the program. This option requires an additional form with explanation and approval of program faculty.

Students must be formally advised into a capstone option by an I/O faculty member. Students should meet with a program adviser or I/O faculty member early in the program with any questions about the capstone options or eligibility for the different options.

Students who do not complete a thesis or other internship within the semester they registered for the thesis or practicum credit hours (PSYC 690 MA THESIS or PSYC 699 MA INDUSTRIAL/ORGANIZATIONAL PRACTICUM; 3 credit hours) must maintain continued registration until completion of the project. A student must register for the appropriate zero-credit course (PSYC 690Y THESIS COMPLETION or PSYC 699Y PRACTICUM COMPLETION) each fall and spring semester until the project is completed. Students who have not maintained continuous registration for thesis or other final projects will be required to register for all intervening fall and spring semesters prior to graduation.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor and make use of materials provided by the program director to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C-) may be applied toward the 36 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

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**Industrial/Organizational Psychology, MA, Dual Degree with MBA**

Roosevelt offers both master’s and doctoral degrees in psychology: the Master of Arts (MA) and the Doctor of Psychology (PsyD). The MA degrees are in the areas of clinical, general psychology, clinical (counseling practice), and industrial/organizational psychology (including an option for combined IO MA/MBA). The PsyD is in clinical psychology.

This dual degree program allows select students to be concurrently enrolled in two sought-after degree programs. As a result of interdisciplinary cooperation between the College of Arts and Sciences and Heller College of Business, this highly structured offering allows qualified students to obtain both a Master of Arts in Industrial/Organizational Psychology and a Master of Business Administration with a concentration in I/O Psychology with a minimum of 19 courses (55 credit hours). Students may enter the dual program by adding the MBA, following the initial admission to the MA IO program, and after three of the four core courses indicated in the Requirements section are completed with a B (3.0) or better average.

The priority application deadline is November 1 for Spring Admission and March 1 for Fall Admission.

**Admission**

Required for admission:
For further information, follow these links:

- I/O Psychology program (http://www.roosevelt.edu/CAS/Programs/Psychology/IOPsychology/MA.aspx)
- MBA program (http://www.roosevelt.edu/Business/Programs/MBA.aspx)

### Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 407</td>
<td>INTERMEDIATE STATISTICS ¹</td>
<td></td>
</tr>
<tr>
<td>PSYC 462</td>
<td>ORGANIZATIONAL PSYCHOLOGY ¹</td>
<td></td>
</tr>
<tr>
<td>PSYC 463</td>
<td>PERSONNEL PSYCHOLOGY ¹</td>
<td></td>
</tr>
<tr>
<td>PSYC 530</td>
<td>ADVANCED RESEARCH METHODS ¹</td>
<td></td>
</tr>
</tbody>
</table>

#### Orientation

- BADM 401 | GRADUATE BUSINESS ORIENTATION | 1 |

#### Other Required

- ACCT 405 | ACCOUNTING FOR EXECUTIVES | 3 |
- FIN 408  | FINANCE FOR DECISION MAKERS | 3 |
- INFS 401 | INFORMATION RESOURCE MANAGEMENT | 3 |
- MGMT 423 | PEOPLE MANAGEMENT AND ORGANIZATIONAL BEHAVIOR | 3 |
- MGMT 489 | STRATEGIC MANAGEMENT – SINGLE BUSINESS ORGANIZATIONS | 3 |
- MKTG 406 | MARKETING STRATEGY: THEORY & PRACTICE | 3 |
- PSYC 500 | ADVANCED STATISTICS | 3 |

#### Electives

- Four 600-level Industrial Organizational Psychology electives ² | 12 |
- One 400-level Business elective | 3 |
- One 400-level Psychology elective | 3 |

#### Thesis or Internship

- PSYC 699 | MA INDUSTRIAL/ORGANIZATIONAL PRACTICUM | 3 |
- or PSYC 690 | MA THESIS | 3 |

Total Credit Hours 55

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¹ Completion of 3 out of the 4 listed core courses with a B or better average is required to be accepted into the dual degree program.

² IO electives include PSYC660, PSYC661, PSYC662, PSYC663 (multiple sections), PSYC664, PSYC665, PSYC666, PSYC668, PSYC669, PSYC670, PSYC671, PSYC672, PSYC673, or PSYC684.

³ Any graduate level course offered from Heller College of Business, which the student is eligible to take, and is not used toward other degree requirements may be used.

⁴ Any PSYC course at or above the 400-level, which the student is eligible to take, and is not used toward other degree requirements may be used. Additional IO electives may be used towards this requirement as well.

⁵ In extenuating circumstances, a 9-hour extended course option may be permitted through faculty approval in lieu of the Thesis or Practicum, bringing the credit hour requirement to a total of 61 credit hours to obtain both degrees.
Capstone Experiences

Students must complete one of the three capstone options to complete the program.

- **Option 1: The internship/practicum option** requires students to complete 400 hours of work in an organization and write a literature review paper under the supervision of an I/O faculty member. Psychology students may begin an internship/practicum after completing 18 credit hours and one relevant 660-level I/O course and having the practicum approval form signed by the internship committee chair.

- **Option 2: The thesis option** requires students to complete an original piece of primary research under the supervision of an I/O faculty member.

- **Option 3: The course sequence option** requires students to complete three additional courses as approved by their I/O Psychology faculty advisor, instead of thesis or internship credit. This option results in a total of 61 credit hours to complete the program. This option requires an additional form with explanation and approval of program faculty.

Students must formally select and successfully propose a capstone option prior to enrollment in courses. Students should meet with a program advisor and/or I/O faculty member early in the program with any questions about the capstone options or eligibility for the different options.

Students who do not complete a thesis or other internship within the semester they registered for the thesis or practicum credit hours (PSYC 690 [http://catalog.roosevelt.edu/search/?P=PSYC%20690]) MA THESIS or PSYC 699 (http://catalog.roosevelt.edu/search/?P=PSYC%20699) MA INDUSTRIAL/ORGANIZATIONAL PRACTICUM; 3 credit hours) must maintain continued registration until completion of the project. A student must register for the appropriate zero-credit course (PSYC 690Y [http://catalog.roosevelt.edu/search/?P=PSYC%20690Y]) THESIS COMPLETION or PSYC 699Y (http://catalog.roosevelt.edu/search/?P=PSYC%20699Y) PRACTICUM COMPLETION) EACH fall and spring semester until the project is completed. Students who have not maintained continuous registration for thesis or other final projects will be required to register for all intervening fall and spring semesters prior to graduation.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different. Be sure to pay extra attention to prerequisite(s) for future courses during planning. No more than two grades of C (not C-) may be applied toward the 55 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>PSYC 530</td>
<td>3</td>
<td>PSYC 463 (^1)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 462 (^1)</td>
<td>3</td>
<td>PSYC 500</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 407</td>
<td>3</td>
<td>PSYC 66X (^2)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 55

1. Can NOT be taken concurrently with any pre-requisite courses.
2. Can be any elective in I/O Psychology catalog between PSYC 660-684
3. Can be any elective in I/O Psychology catalog between PSYC 651-684
4. Can NOT be taken concurrently with any pre-requisite courses.
5. Business Elective; Any graduate level course offered from Heller College of Business, which the student is eligible to take, and is not used toward other degree requirements.

Marketing Communications, MSIMC

The graduate program in Marketing Communications is designed for students seeking careers or wishing to advance careers with marketers, advertising agencies, direct marketing organizations, public relations firms, and the media. For more information about this program, visit the program website (https://www.roosevelt.edu/academics/programs/master-in-integrated-marketing-communications-msimc/).

The Marketing Communications program allows optimum flexibility in scheduling classes, meaning that both full-time and part-time students are able to complete their programs within two years. A full schedule is offered each fall and spring, including required courses and a selection of electives. The program offers a selection of courses every summer term as well. Students may choose to pursue the program full time or part time, and new students may begin in either fall or spring terms.

### Admission

Admission to the Marketing Communications program depends on previous academic success and work experience. Any admission with a grade point average below 3.0 will be probationary, requiring grades of B or higher in the first course, IMC 405 BRAND MKTG AND COMM METHODS, and a first-semester grade point average of 3.0 or higher.

Domestic applicants with a bachelor’s degree from a regionally accredited college or university and a grade point average of 3.0 (on a 4.0 scale) or higher, or a graduate degree in any discipline, will be granted unconditional admission. If the grade point average is between 2.7 and 3.0, probationary admission will be given and enrollment limited to two courses for the first term.
Appeals after denial. If the grade point average is below 2.7, the applicant may appeal an admission denial by submitting a letter with a detailed work history, three letters of recommendation (employers, faculty, etc.), an essay explaining career interests and objectives in the field of marketing communications, and writing samples. The applicant also may be asked to submit the results of the Graduate Record Exam. All material should be submitted to Graduate Admission, which will forward the materials and the student’s transcript to the department’s faculty for review. If the appeal is approved, the student will be admitted on probation.

International students. International students for whom English is not the first language must submit transcripts of college work, results of the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System. The department recommends that international students also take the Roosevelt University English Language Program placement test before beginning graduate courses. Admission is based on a combination of these measures. In some cases, the faculty may require further evidence of English composition and/or mathematics skills. Students with deficiencies in these skills may be required to take designated undergraduate courses prior to admission. English Language Program courses that are required to begin the degree are not counted toward the IMC hours required for the degree.

Standards

Graduate students must complete all program requirements, including required undergraduate or English Language Program courses, with an overall grade point average of B (3.0) or higher. No grade below C (not C-) can be counted for graduate credit, and no more than 6 credit hours of C+ or C grades may be counted toward the total credits for the master’s degree. Although these 6 credit hours of C are acceptable toward the degree, grades of C indicate work below the level expected of graduate students.

Foundational courses. IMC 405 BRAND MKTG AND COMM METHODS and IMC 446 BRAND PLANNING AND MESSAGE STRATEGY are designated “foundational courses,” meaning that the program builds off what is learned in these courses. A student who receives a grade of C+ or lower in IMC 405 BRAND MKTG AND COMM METHODS will be dismissed from the program. A student who receives a grade of C+ or lower in IMC 446 BRAND PLANNING AND MESSAGE STRATEGY will be required to repeat the course in the next term or the next time it is offered before being allowed to continue in the program. A graduate course can only be repeated once; no more than two courses can be repeated in graduate studies.

Probationary admission. A student admitted on probation will be limited to two courses (6 credit hours) in the first term of enrollment and must receive grades of B (3.0) or above in these first two courses to remain in the program. A student who is admitted on probation and falls into probation again in a future term is subject to dismissal from the program.

ELP and other language-skills courses. Excellent communication skills, including proficiency in spoken and written English, are vital for success in this program, even for those who expect to work in other languages. International students who take the Roosevelt University English Language Program courses must be enrolled in ELP 111 COMPOSITION-BRIDGE LEVEL before beginning graduate courses.

Requirements

Students seeking the MSIMC degree complete 30 credit hours, including five core courses and five elective courses. An overall grade point average of B (3.0) or higher is required for the degree.

Required courses and elective options are listed below. See the degree map tabs above to determine course availability, depending on the term in which students first enroll.

Transfer credit. The department will accept up to 6 semester hours of transfer credit for approved graduate-level courses from another institution. Students wishing to transfer such credit should submit transcripts of their previous graduate work to the department for review and official posting to their Roosevelt transcript as soon as possible after they enroll at RU.

Six-year rule. All course work and other requirements for the degree must be completed within six years of the student’s admission to the program. Exceptions are granted only in unusual circumstances.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>IMC 405</td>
<td>BRAND MKTG AND COMM METHODS</td>
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</tr>
<tr>
<td>IMC 440</td>
<td>MARKETING COMMUNICATIONS RESEARCH</td>
<td>3</td>
</tr>
<tr>
<td>IMC 446</td>
<td>BRAND PLANNING AND MESSAGE STRATEGY</td>
<td>3</td>
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<tr>
<td>IMC 452</td>
<td>IMC ETHICS AND SOCIETY</td>
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<td>IMC 480</td>
<td>CAMPAIGN PLANNING</td>
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<td>IMC 443</td>
<td>PRINCIPLES OF IMC MEDIA PLANNING</td>
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<td>IMC 460</td>
<td>ACCOUNT PLANNING</td>
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<td>IMC 462</td>
<td>DIGITAL AND SOCIAL MEDIA MARKETING</td>
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<td>IMC 471</td>
<td>PUBLIC RELATIONS</td>
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<td>IMC 447</td>
<td>CREATIVE CAMPAIGNS</td>
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<td>IMC 453</td>
<td>GLOBAL MARKETING COMMUNICATION</td>
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<td>IMC 454</td>
<td>PUBLICATION DESIGN</td>
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<td>IMC 465</td>
<td>CONTENT MARKETING AND BRAND STORYTELLING</td>
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<tr>
<td>IMC 474</td>
<td>CRISIS COMMUNICATION</td>
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<td>IMC 481</td>
<td>INTERNATIONAL MARKETING CULTURES</td>
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<td>IMC 485</td>
<td>INFLUENCER MARKETING</td>
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<td>IMC 486</td>
<td>LEADING EDGE OF MARKETING COMMUNICATION</td>
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<tr>
<td>IMC 491</td>
<td>INTERNATIONAL IMC STUDY EXP</td>
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<th>Core required courses</th>
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<tbody>
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<table>
<thead>
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<td>IMC 462</td>
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<td>IMC 471</td>
<td>PUBLIC RELATIONS</td>
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<td>CONTENT MARKETING AND BRAND STORYTELLING</td>
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<td>CRISIS COMMUNICATION</td>
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<td>INFLUENCER MARKETING</td>
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<td>LEADING EDGE OF MARKETING COMMUNICATION</td>
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<td>IMC 491</td>
<td>INTERNATIONAL IMC STUDY EXP</td>
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<table>
<thead>
<tr>
<th>Work experience elective (optional)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing Communications students may complete a professional internship in a marketing communications field to round out their studies. One for-credit internship (IMC 499, 3 credit hours) is allowed as an elective in the 30-hour degree.</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 30

A student who receives a grade of C+ or lower in IMC 405 BRAND MKTG AND COMM METHODS will be dismissed from the program.
A student who receives a grade of C+ or lower in IMC 446 BRAND PLANNING AND MESSAGE STRATEGY will be required to repeat the course in the next term or the next time it is offered before being allowed to continue in the program.

Any student who is taking but has not completed an internship, practicum, or other final project must maintain continued registration during fall and spring semesters until completion of the project by registering for the appropriate zero-credit course (course number followed by “Y”). Students who have not maintained continuous registration for internship, practicum, or other final project will be required to register for all intervening fall and spring semesters prior to graduation.

Your degree map is designed to help you successfully complete your master’s degree. Two degree maps appear here: one for full-time students enrolling for the first time in fall term, and the other for part-time students starting in fall term. (Note that the degree maps for students starting in spring terms are reached through a separate tab, above.)

In brief:

• New Marketing Communications students take IMC 405 BRAND MKTG AND COMM METHODS in the first term.
• In addition to 405, these courses are required: IMC 440 MARKETING COMMUNICATIONS RESEARCH, IMC 446 BRAND PLANNING AND MESSAGE STRATEGY, IMC 452 IMC ETHICS AND SOCIETY, and IMC 480 CAMPAIGN PLANNING.
• IMC 446 BRAND PLANNING AND MESSAGE STRATEGY is either a corequisite course or prerequisite course for all Marketing Communications electives.
• Five Marketing Communications elective courses are required as electives.
• IMC 480 CAMPAIGN PLANNING is recommended for the final term in the program.

These degree maps are based on the most current scheduling information from the Marketing Communications program and allow students to complete the degree in two academic years. The degree map is reviewed annually and updated as schedules change.

Specific requirements for IMC 405 and 446, which require grades of B- or above, are below. No more than two grades of C (not C-) may be applied toward the 30 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

Degree map for full-time students (at least 9 credit hours)

Students who wish to complete the program in less time may also register for summer term, when a selection of required and elective Marketing Communications courses is offered.

Degree map for part-time students taking two courses

The degree map below displays summer courses as well as the traditional fall and spring terms, a schedule that accommodates the part-time student who hopes to complete the master’s degree in two years. Summer is optional, but a selection of required and elective Marketing Communications courses is available.

Part-time students taking a single course each term should map out an individual degree plan with their academic advisors, as not all courses are offered each term.

### Year 1

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Summer Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMC 405</td>
<td>3</td>
<td>IMC 446</td>
<td>3</td>
</tr>
<tr>
<td>IMC 440</td>
<td>3 Marketing</td>
<td>Communications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>IMC 452</td>
<td>3 Marketing</td>
<td>Communications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>Elective</td>
<td></td>
</tr>
</tbody>
</table>

| Total Credit Hours | 30 |

### Year 2

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing Communications elective</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing Communications elective</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 30 |

2

1 A student who receives a grade of C+ or lower in IMC 446 (http://catalog.roosevelt.edu/search/?P=IMC%20446/) will be required to repeat the course the next time it is offered before being allowed to continue in the program.

3 Five Marketing Communications elective courses are required.
A student who receives a grade of C+ or lower in IMC 405 BRAND MKTG AND COMM METHODS will be dismissed from the program.

A student who receives a grade of C+ or lower in IMC 446 BRAND PLANNING AND MESSAGE STRATEGY will be required to repeat the course the next time it is offered before being allowed to continue in the program.

Five Marketing Communications elective courses are required.

Your degree map is designed to help you successfully complete your master’s degree. Two degree maps appear here: one for full-time students enrolling for the first time in spring term, and the other for part-time students starting in spring term. (Note that the degree maps for students starting in fall terms are reached through a separate tab, above.)

In brief:

- New IMC students take IMC 405 BRAND MKTG AND COMM METHODS in the first term.
- In addition to 405, these courses are required: IMC 440 MARKETING COMMUNICATIONS RESEARCH, IMC 446 BRAND PLANNING AND MESSAGE STRATEGY, IMC 452 IMC ETHICS AND SOCIETY, and IMC 480 CAMPAIGN PLANNING.
- IMC 446 BRAND PLANNING AND MESSAGE STRATEGY is either a corequisite course or prerequisite course for all Marketing Communications electives.
- Five Marketing Communications elective courses are required.
- IMC 480 CAMPAIGN PLANNING is recommended for the final term in the program.

These degree maps are based on the most current scheduling information from the Marketing Communications program and allow students to complete the degree in two academic years. The degree map is reviewed annually and updated as schedules change.

Specific requirements for IMC 405 BRAND MKTG AND COMM METHODS and IMC 446 BRAND PLANNING AND MESSAGE STRATEGY, which require grades of B- or above, are below. No more than two grades of C (not C-) may be applied toward the 36 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

Note that tuition rates are set each year for the traditional academic year of fall, spring, and summer. New rates, if changes are approved, become effective in fall terms.

Degree map for full-time students starting in a spring term (at least 9 credit hours)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Spring</th>
<th>Credit</th>
<th>Summer</th>
<th>Fall</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMC 405</td>
<td>3</td>
<td>IMC 446</td>
<td>3</td>
<td>IMC 446</td>
<td>3</td>
</tr>
<tr>
<td>IMC 440</td>
<td>3</td>
<td>Marketing Communications elective</td>
<td>3</td>
<td>Marketing Communications elective</td>
<td>3</td>
</tr>
<tr>
<td>IMC 452</td>
<td>3</td>
<td>Marketing Communications elective</td>
<td>3</td>
<td>Marketing Communications elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 30

A student who receives a grade of C+ or lower in IMC 405 BRAND MKTG AND COMM METHODS will be dismissed from the program.

Degree map for part-time students taking two courses

The degree map below displays the traditional fall and spring terms, as well as summer courses, a schedule that accommodates the part-time student who hopes to complete the master’s degree in two years. Summer is optional, but a selection of Marketing Communications required and electives courses is available.

Part-time students taking a single course each term should map out an individual degree plan with their academic advisors, as not all courses are offered each term.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Spring</th>
<th>Credit</th>
<th>Summer</th>
<th>Fall</th>
<th>Credit</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMC 405</td>
<td>3</td>
<td>Marketing Communications elective</td>
<td>3</td>
<td>IMC 446</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IMC 440</td>
<td>3</td>
<td>Marketing Communications elective</td>
<td>3</td>
<td>IMC 452</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 30

A student who receives a grade of C+ or lower in IMC 405 BRAND MKTG AND COMM METHODS will be dismissed from the program.
A student who receives a grade of C+ or lower in IMC 446 BRAND PLANNING AND MESSAGE STRATEGY will be required to repeat the course the next time it is offered before being allowed to continue in the program.

Five Marketing Communications elective courses are required.

Mathematics, MS

The MS program in Mathematics is designed to train students in mathematics that can be readily applied to practical, real-world problems, including those in data science, probability, statistics, and computer science, and to allow students to pursue mathematics as an intellectual discipline. Students who are interested in Actuarial Science are encouraged to apply for the MS program in Actuarial Science (p. 233). The Mathematics program accepts properly prepared students who wish to attend on either a part- or full-time basis. Course offerings are primarily concentrated in the evenings to accommodate students who are employed during the day.

Admission

Applicants for admission to graduate work in Mathematics must meet the general requirements for admission to graduate work in the university. Students must have completed an undergraduate degree, not necessarily in mathematics, but must have completed linear algebra (equivalent to MATH 246 LINEAR ALGEBRA at Roosevelt) and at least three semesters of calculus (equivalent to MATH 231 CALCULUS I, MATH 232 CALCULUS II and MATH 233 CALCULUS III at Roosevelt) with grades of C- or higher and with a B (3.0) average. Students who wish to join the MS program but who are lacking some of these courses are encouraged to complete them prior to application, either at Roosevelt or elsewhere.

Each concentration in the MS has its own set of additional prerequisite courses. Students may enroll in prerequisite courses and certain graduate courses concurrently, provided the prerequisites for those graduate courses have been satisfied.

Prerequisites

Graduate students must satisfactorily complete the prerequisite courses listed below with grades of C- or higher and with a B (3.0) average, as well as any courses required of international students by the English Language Program. It is possible to make up any deficiencies after being admitted as a graduate student, but no credit will be granted towards the degree for meeting these requirements. Students may enroll in prerequisite courses and certain graduate courses concurrently, provided the prerequisites for those graduate courses have been satisfied. Program prerequisites must be completed within the first year (18 credits) of coursework. Any of these prerequisites may be waived by a placement exam. The prerequisites courses are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 245</td>
<td>DISCRETE STRUCTURES</td>
<td></td>
</tr>
<tr>
<td>or MATH 291</td>
<td>INTRODUCTION TO PROOF</td>
<td></td>
</tr>
<tr>
<td>MATH 347</td>
<td>PROBABILITY THEORY</td>
<td></td>
</tr>
<tr>
<td>or MATH 35</td>
<td>ANALYSIS</td>
<td></td>
</tr>
</tbody>
</table>

**Additional Prerequisite for the Computer Science Concentration**

CST 150 COMPUTER SCIENCE I or other programming course

**Additional Prerequisite for the Statistics Concentration**

MATH 217 ELEMENTARY STATISTICS or other statistics course

For descriptions of these prerequisites please see the course listings in the Undergraduate Catalog.

Advising

Following acceptance to the program, students meet with the graduate advisor to plan a program of study. Students must select one of the concentrations (computer science or statistics) for their program of study. All students are required to obtain approval for their course selections each semester. All courses presented for the degree must be approved by the graduate advisor. Up to 9 credit hours of transfer credit may be considered for the program; however, all such credit must be at the graduate level and may not be applied to any other earned degree.

Students completing the MS in mathematics must choose a concentration in either computer science or statistics.

Computer Science Concentration

As computer technology evolves, so do the mathematical applications including probability and statistics, numerical analysis, data analytics, cryptography, neural networks, genetic algorithms, bioinformatics, and other fields of scientific computing. Students interested in working with computers while pursuing their MS in mathematics have the option of combining at least 18 credit hours of mathematics course work with up to 15 credit hours in computer science for a total of 33 credit hours.

Requirements

The completed degree requires a total of 33 credit hours of graduate course work.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 409</td>
<td>DATA MINING</td>
<td>3</td>
</tr>
<tr>
<td>MATH 430</td>
<td>NUMERICAL ANALYSIS</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select four to seven courses from among the following options:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 416</td>
<td>HISTORY OF MATHEMATICS</td>
<td></td>
</tr>
<tr>
<td>MATH 418</td>
<td>NUMBER THEORY</td>
<td></td>
</tr>
<tr>
<td>MATH 420</td>
<td>INTRODUCTION TO ABSTRACT ALGEBRA</td>
<td></td>
</tr>
<tr>
<td>MATH 423</td>
<td>COOPERATION AND COMPETITION - GAME THEORY AND APPLICATIONS</td>
<td></td>
</tr>
<tr>
<td>MATH 432</td>
<td>OPERATIONS RESEARCH</td>
<td></td>
</tr>
<tr>
<td>MATH 446</td>
<td>STOCHASTIC PROCESSES</td>
<td></td>
</tr>
<tr>
<td>MATH 447</td>
<td>ADVANCED PROBABILITY</td>
<td></td>
</tr>
<tr>
<td>MATH 448</td>
<td>PROBABILITY AND STATISTICS II</td>
<td></td>
</tr>
<tr>
<td>MATH 449</td>
<td>REGRESSION &amp; TIME SERIES</td>
<td></td>
</tr>
<tr>
<td>MATH 457</td>
<td>ANOVA &amp; EXPERIMENTAL DESIGN</td>
<td></td>
</tr>
<tr>
<td>MATH 478</td>
<td>TOPICS IN ACTUARIAL MATH</td>
<td></td>
</tr>
<tr>
<td>MATH 489</td>
<td>SPECIAL TOPICS</td>
<td></td>
</tr>
<tr>
<td>MATH 491</td>
<td>INDUSTRIAL APP OF MATH</td>
<td></td>
</tr>
</tbody>
</table>

Select the remaining courses (for an overall total of eleven courses) from among the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 405</td>
<td>ALGORITHM DESIGN</td>
<td></td>
</tr>
</tbody>
</table>
Statistics Concentration

The concentration in statistics prepares graduates for diverse and vital areas that may include medical research, drug testing, environmental risk assessment, quality assurance, economic forecasting, and the exploration of space. Students interested in applying statistics to other fields while pursuing their MS in mathematics have the option of combining at least 24 credit hours of mathematics course work with up to 9 credit hours in a cognate field (such as biology, chemistry, computer science, economics, education, finance, psychology, or sociology) for a total of 33 credit hours. If any of the core courses were taken as an undergraduate, substitutions may be made from the math electives with the approval of the graduate advisor.

Requirements

The completed degree requires a total of 33 hours of graduate course work.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 430</td>
<td>NUMERICAL ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 446</td>
<td>STOCHASTIC PROCESSES</td>
<td>3</td>
</tr>
<tr>
<td>MATH 447</td>
<td>ADVANCED PROBABILITY</td>
<td>3</td>
</tr>
<tr>
<td>MATH 448</td>
<td>PROBABILITY AND STATISTICS II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 449</td>
<td>REGRESSION &amp; TIME SERIES</td>
<td>3</td>
</tr>
<tr>
<td>MATH 457</td>
<td>ANOVA &amp; EXPERIMENTAL DESIGN</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 409</td>
<td>DATA MINING</td>
<td>3</td>
</tr>
<tr>
<td>MATH 418</td>
<td>NUMBER THEORY</td>
<td>3</td>
</tr>
<tr>
<td>MATH 420</td>
<td>INTRODUCTION TO ABSTRACT ALGEBRA</td>
<td>3</td>
</tr>
<tr>
<td>MATH 423</td>
<td>COOPERATION AND COMPETITION - GAME THEORY AND APPLICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 428</td>
<td>LINEAR PROGRAMMING &amp; OPTIM</td>
<td>3</td>
</tr>
<tr>
<td>MATH 432</td>
<td>OPERATIONS RESEARCH</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 33
Public Administration, MPA

The graduate program leading to the Master of Public Administration (MPA) prepares experienced and aspiring administrators to be leaders in government, health, and nonprofit organizations. The curriculum consists of core management and analysis courses and specialized courses in the student's concentration. Concentrations are offered in health services management, government management, nonprofit management and public finance. Students who have a particular interest in policy can focus solely on policy related issues in their choice of government concentration courses.

Roosevelt's Chicago campus is ideally located for aspiring MPAs. Government is the largest single employer in the metropolitan area with agencies at all three levels (federal, state and local); several health care organizations are among the top 25 area employers; and the nonprofit sector is growing more rapidly than any other.

The public administration program draws from — and gives back to — this rich practice laboratory by continually connecting theory with practical application and by involving students in real administrative problems and their solutions. Faculty are primarily teachers, but they are also researchers, consultants, and practicing professionals. Courses are offered in the evening to accommodate students who are employed full-time. In addition, online courses are available and remote access to evening courses can be arranged for students with situations that preclude normal attendance.

Also available:

- Accelerated Political Science BA/MPA in the College of Arts and Sciences
- Accelerated Health Sciences Administration BA/MPA in the College of Arts and Sciences
- Accelerated Sustainability BA/MPA in the College of Arts and Sciences
- Accelerated Criminal Justice BA/MPA in the College of Arts and Sciences

Admission

Applicants with an undergraduate grade point average of 3.0 or higher are admitted based upon previous academic performance and submission of a one- to two-page essay on an assigned topic is required at the time of course advisement. Applicants with an undergraduate grade point average below 3.0 are considered on the basis of the above plus additional supporting materials: a resume/curriculum vitae to include record of community activism; two letters of recommendation; and a letter of intent discussing the applicant's interest in public administration and the applicant's personal/professional goals. Information regarding admission is available online (https://www.roosevelt.edu/admission/apply/) or may be obtained from the Arts and Sciences graduate admission counselor (https://www.roosevelt.edu/admission/contact/) or the MPA director (https://www.roosevelt.edu/Academics/Faculty/Profile.aspx?ID=aschuh/). In certain instances, applicants may be admitted on a probationary basis with special restrictions.

Requirements

To earn the MPA degree, students must complete 36 credit hours of course work. Course work must be completed with a GPA of 3.0 or higher. Students electing the thesis option must have a GPA of 3.7. Students who do not maintain a 3.0 GPA, students who receive more than two grades of C, and students who have one course grade of D or F are subject to dismissal from the program.

Students must choose a concentration in health services management, government management, nonprofit management or public finance at the beginning of the program. Concentration courses must be selected in consultation with their graduate adviser.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PADM 400</td>
<td>PUBLIC SERVICE IN THE UNITED STATES</td>
<td>3</td>
</tr>
<tr>
<td>PADM 401</td>
<td>MANAGEMENT PRACTICES FOR PUBLIC SECTOR</td>
<td>3</td>
</tr>
<tr>
<td>PADM 404</td>
<td>HUMAN RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>PADM 405</td>
<td>PUBLIC BUDGET &amp; FINANCIAL MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>PADM 407</td>
<td>DATA ANALYTICS</td>
<td>3</td>
</tr>
<tr>
<td>PADM 419</td>
<td>STRATEGIC PLANNING FOR PUBLIC ADMINISTRATION</td>
<td>3</td>
</tr>
<tr>
<td>PADM 420</td>
<td>THE PUBLIC SECTOR, SOCIAL JUSTICE, AND COMMUNITY ORGANIZING</td>
<td>3</td>
</tr>
<tr>
<td>PADM 497</td>
<td>CAPSTONE COURSE IN PUBLIC ADMINISTRATION</td>
<td>3</td>
</tr>
<tr>
<td>PADM 491</td>
<td>PRACTICUM IN HEALTH MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>PADM 492</td>
<td>PRACTICUM IN FINANCIAL POLICY</td>
<td></td>
</tr>
<tr>
<td>PADM 493</td>
<td>PRACTICUM IN GOVERNMENT MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>PADM 494</td>
<td>PRACTICUM IN NONPROFIT MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>PADM 490</td>
<td>THESIS</td>
<td></td>
</tr>
<tr>
<td>PADM 497</td>
<td>CAPSTONE COURSE IN PUBLIC ADMINISTRATION</td>
<td>3</td>
</tr>
<tr>
<td>PADM 498</td>
<td>PRACTICUM IN HEALTH MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>PADM 499</td>
<td>PRACTICUM IN FINANCIAL POLICY</td>
<td></td>
</tr>
<tr>
<td>PADM 500</td>
<td>PRACTICUM IN GOVERNMENT MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>PADM 501</td>
<td>PRACTICUM IN NONPROFIT MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>PADM 500</td>
<td>THESIS</td>
<td></td>
</tr>
<tr>
<td>Plus Four Courses in an Area of Concentration (Government, Health Care, Nonprofit or Financial Policy)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 36
Concentration Options for Public Administration

Government Management Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two required courses</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>PADM 402</td>
<td>ISSUES IN DEVELOPMENT &amp; ADMINISTRATION PUBLIC POLICY</td>
<td>3</td>
</tr>
<tr>
<td>PADM 475</td>
<td>PROBLEMS IN PUBLIC ADMINISTRATION</td>
<td></td>
</tr>
<tr>
<td>One general elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>One government elective (one of the below courses):</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PADM 408</td>
<td>TOPICS IN POLICY MAKING</td>
<td></td>
</tr>
<tr>
<td>PADM 411</td>
<td>POVERTY POLICY</td>
<td></td>
</tr>
<tr>
<td>PADM 426</td>
<td>FOOD JUSTICE: FOOD POLICY IN THE US</td>
<td></td>
</tr>
<tr>
<td>PADM 434</td>
<td>VOTING POLICY</td>
<td></td>
</tr>
<tr>
<td>PADM 463</td>
<td>URBAN POLICY</td>
<td></td>
</tr>
<tr>
<td>POS 4XX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Continuous Registration

A student who has not completed an internship, thesis, or other final project must maintain continued registration during fall and spring semesters until completion of the project by registering for the appropriate zero-credit course (course number followed by “Y”). Students who have not maintained continuous registration for internship, or other final project will be required to register for all intervening fall and spring semesters prior to graduation.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C-) may be applied toward the 36 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

The below degree map is for students beginning in the Fall semester. Students beginning the in the Spring semester would take classes in the following order: (1) Year 1 Spring, (2) Year 1 Fall, (3) Year 2 Spring, (4) Year 2 Fall.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PADM 400</td>
<td>3</td>
<td>PADM 404</td>
</tr>
<tr>
<td></td>
<td>PADM 405</td>
<td>3</td>
<td>PADM 401</td>
</tr>
<tr>
<td></td>
<td>CONCENTRATION</td>
<td>3</td>
<td>COURSE # 1</td>
</tr>
<tr>
<td></td>
<td>COURSE # 2</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>PADM 420</td>
<td>3</td>
<td>PADM 497, 491, 492, 493, 494, or 490</td>
</tr>
<tr>
<td></td>
<td>CONCENTRATION</td>
<td>3</td>
<td>COURSE # 3</td>
</tr>
<tr>
<td></td>
<td>ELECTIVE</td>
<td>3</td>
<td>PADM 407</td>
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<tr>
<td></td>
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<td>PADM 419</td>
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</tbody>
</table>

Total Credit Hours 36

1 Identified course in the Requirements Tab (p. 269).

Certificates

- Conflict Resolution and Negotiation, Certificate (p. 271)
- Health Services Management, Certificate (p. 271)
- History, MA/Certificate in Archives and Cultural Heritage Resources and Services (p. 272)
- Nonprofit Management, Certificate (p. 274)
- Paralegal Studies, Post-Baccalaureate Certificate (p. 274)
- Preclinical Psychology Post-Baccalaureate Certificate (p. 276)
- Public Finance, Certificate (p. 276)
Conflict Resolution and Negotiation, Certificate

Program description

The Certificate in Conflict Resolution offers training for professionals to enhance their ability to manage conflict in their current organization. Recent college graduates and individuals looking to change careers will obtain valuable skills that they can add to their resume making them more marketable to employers. Positions requiring conflict resolution skills exist in many fields, including government, criminal justice, education, health care, human resources, project management, customer service, politics, law, insurance, and sales. Common employers include corporations, educational institutions, social service agencies, health care organizations, insurance companies, and banks.

Students completing the certificate will be given credit for all of their courses towards the M.A. in Conflict & Mediation degree at Roosevelt. Roosevelt's master's degree in conflict and mediation is the only degree of its kind in the Chicago region that embeds the Chicago Center for Conflict Resolution's Certification, as well as practicums with real mediation clients.

Program objectives

The certificate provides students with training that focuses on skills needed to de-escalate conflict and move toward resolution. Students will be able to demonstrate abilities in the areas of negotiation and facilitation and will learn about different types of alternative dispute resolution processes. Students will gain a deeper understanding of conflict resolution and mediation in a particular field through a special topic course.

Admission

A personal statement and an interview with the program director or a faculty member is required of all applicants. For additional admission information, please refer to the Conflict & Mediation program website (https://www.roosevelt.edu/academics/programs/masters-in-conflict-and-mediation-ma/).

Course requirements

The courses in the Graduate Certificate in Conflict Resolution are hybrid courses - offered in a combination of online learning and in-person class sessions at the Chicago Campus. Each course lasts eight weeks. Students take four courses; the program can be completed in two semesters, taking one class at a time.

Courses must be completed with a minimum grade of C and a cumulative GPA of 3.0.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMN 430</td>
<td>ALTERNATIVE DISPUTE RESOLUTION (ADR) CONTINUUM</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 440</td>
<td>FACILITATION</td>
<td>3</td>
</tr>
<tr>
<td>CNMN 475</td>
<td>NEGOTIATION TACTICS/NEGOTIATION</td>
<td>3</td>
</tr>
<tr>
<td>Special Topic Course (Students take one)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

1 One of the following courses will be offered each fall. Contact the program director for more information.

Health Services Management, Certificate

The Certificate in Health Services Management is designed to serve the needs of health care professionals who already have a bachelor's or master's degree or advanced medical degree and who seek training in the management of health services. The certificate is a four-course, 12-hour sequence.

To gain admission into the certificate program, participants must be admitted to the university through the regular admission process (https://www.roosevelt.edu/academics/programs/masters-in-public-administration-mpa/). Certificate courses can be applied toward the complete Master's in Public Administration for students who subsequently decide to pursue the complete degree.

Four courses are required for the certificate. Two are required and two are electives. All of the courses can count toward the Master's in Public Administration degree.

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PADM 401</td>
<td>MANAGEMENT PRACTICES FOR PUBLIC SECTOR</td>
<td>3</td>
</tr>
<tr>
<td>PADM 451</td>
<td>INTRODUCTION HEALTH SERVICES</td>
<td>3</td>
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Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PADM 450</td>
<td>HEALTH, ILLNESS, &amp; MEDICINE IN AMERICAN SOCIETY</td>
<td>3</td>
</tr>
<tr>
<td>PADM 452</td>
<td>HEALTH POLICY</td>
<td>3</td>
</tr>
<tr>
<td>PADM 453</td>
<td>MEDICAL ETHICS AND THE LAW</td>
<td>3</td>
</tr>
<tr>
<td>PADM 454</td>
<td>HEALTH FINANCE</td>
<td>3</td>
</tr>
<tr>
<td>PADM 455</td>
<td>MANAGING AND MARKETING INTEGRATED HEALTH SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>PADM 456</td>
<td>ECONOMIC ISSUES HEALTH SERVICE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>PADM 458</td>
<td>MARKETING HEALTH MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>PADM 459</td>
<td>LONG TERM CARE ADMINISTRATION</td>
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</tr>
<tr>
<td>PADM 474</td>
<td>MANAGED CARE</td>
<td>3</td>
</tr>
</tbody>
</table>
History, MA/Certificate in Archives and Cultural Heritage Resources and Services

The Department of History offers two programs, the MA in History and the joint MA in History and Certificate in Archives and Cultural Heritage Resources and Services.

The MA program in History serves students who seek to teach history in a secondary school or community college; to prepare for a PhD degree; or to prepare for government positions or other careers requiring advanced study of history. The program offers instruction in the following fields: United States history to 1877, United States history since 1877, early modern European history, modern European history, African American history and Atlantic World history.

In addition to obtaining an MA degree in History, students may also pursue a Certificate in Archives and Cultural Heritage Resources and Services, offered in conjunction with Dominican University. The Certificate in Archives and Cultural Heritage Resources and Services offers courses related to archives and cultural heritage collection processing and management, community archives development and management, digital archives or collections development and maintenance, cultural heritage documentation and preservation, historical records curation, and electronic records systems development and management. The certificate also offers fieldwork that provides students with the opportunity to work with professional archivists in community archives, historical societies, corporations and other institutions.

In order to take advantage of this opportunity, students must apply to Dominican’s Graduate School of Information Studies, using the ‘Certificate and Endorsement’ option for their degree in the online application. In addition to following the guidelines below, students interested in pursuing this certificate must meet with the History graduate advisor at Roosevelt to plan their course of study. Students will be assigned an advisor at Dominican University to aid in choosing courses toward the certificate degree.

Admission

Admission to Roosevelt University: Students should contact the Graduate Admission office for all requirements and deadlines regarding the application for admission to the MA program in History. In addition to undergraduate transcripts and a completed application form, students must write an essay response to a question furnished through the Graduate Admission office and supply the names of two references from academics or others with knowledge of the applicant’s ability to undertake graduate-level work in History. All application materials should be sent to the Graduate Admission office. Additional information about history-specific graduate application requirements and deadlines, funding, as well as graduate advising, is available here (https://www.roosevelt.edu/academics/programs/masters-in-history-ma/) (scroll to bottom of linked page for admission requirements).

Admission to Dominican University: Students wishing to pursue the Certificate in Archives and Cultural Heritage Resources and Services must apply to Dominican’s Graduate School of Information Studies. Select ‘Certificate or Endorsement’ from the online application when prompted for the type of degree in which you are interested. Information about the Certificate Program in Archives and Cultural Heritage Resources and Services at Dominican University is available here.

Requirements

MA in History

Students may choose one of two options toward fulfilling the joint MA/Certificate degree. The first, the non-thesis option, requires 27 credit hours of course work in the MA History program at Roosevelt. The second, the thesis option, requires 24 credit hours of course work, which includes a three credit hour thesis course. A fuller explanation of these two options may be found below.

All students in the MA/Certificate degree program must take three required History courses: two graduate reading seminars and one graduate research seminar. The graduate reading seminars will be offered in the following fields: US History before 1877; US History since 1877; African American History; Early Modern European History; Modern European History; and Atlantic World History. Students should consult with the graduate advisor to plan their course of study and choose their reading seminars. Students may enroll in more reading seminars provided they do not repeat a course. The graduate research seminar, HIST 450 GRADUATE SEMINAR, is offered during the spring semester and enables students to conduct research on a topic related to the above fields. Students may take HIST 450 GRADUATE SEMINAR more than once, provided the topic of the seminar changes. At least half of the coursework taken towards completion of the MA in History must be in 400-level only classes.

At all stages, particularly before applying for graduation, students are responsible for checking on their progress toward fulfillment of degree requirements. Students must earn grades of B- or better in all course work, and they must maintain a 3.0 grade point average to continue in the program. Students receiving two grades of C+ or lower will be unable to continue in the program.

There is no formal foreign language requirement; however, competence in a foreign language is recommended for students choosing a field outside US history. Graduate students should also be aware that most doctoral programs require competence in one or more foreign languages.

Thesis Option

Students who opt to write a thesis must complete 24 credit hours of course work, all of which must be taken at Roosevelt. In addition to the reading and research seminars, graduate students must take four 400-level electives; at least one elective must be in a 400-level only course. The 400-only elective may include additional sections of the readings class, the seminar, or 400-level courses designated only for graduate students. It may also include HIST 484 INTERNSHIP IN HISTORY or HIST 485 INTERNSHIP IN TEACHING HISTORY. Students taking multiple sections of the readings courses or seminar may not repeat the same topic.

Students must also write a thesis that conforms to University regulations and is acceptable to the program. Students register for HIST 490 THESIS to complete the thesis. A thesis topic should be selected early and consent of two faculty sponsors secured.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 450</td>
<td>GRADUATE SEMINAR</td>
<td>3</td>
</tr>
<tr>
<td>HIST 490</td>
<td>THESIS</td>
<td>3</td>
</tr>
</tbody>
</table>
Certificate in Archives and Cultural Heritage Resources and Services

In addition to the above requirements for the MA in History (including a choice between the thesis and non-thesis options that appear above), the joint MA/Certificate degree requires 15 credit hours at the master’s level in Library and Information Sciences, all of which must be taken through Dominican University’s certificate program. A full description of these courses may be found at the Dominican University website (https://www.dom.edu/certificate-archives-and-cultural-heritage-resources-and-services/).

**Certificate in Archives and Cultural Heritage Resources and Services**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td>Select one of the following:</td>
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</tr>
<tr>
<td></td>
<td>LIS 775 Introduction to Archival Principals and Practices</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LIS 885 Cultural Heritage Resources and Services</td>
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<tr>
<td></td>
<td>Required Course:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIS 881 Advanced Archival Principles, Practices and Services</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIS 73 Internet Fundamentals and Design</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LIS 759 Digital Libraries</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIS 786 Advanced Web Design</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIS 882 Metadata for Digital Resources</td>
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</tr>
<tr>
<td></td>
<td>LIS 889 Digital Curation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following electives focused on early</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>books and manuscripts and preservation issues:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIS 710 Descriptive Bibliography</td>
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</tr>
<tr>
<td></td>
<td>LIS 711 Early Books and Manuscripts</td>
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</tr>
<tr>
<td></td>
<td>LIS 712 History of the Printed Book</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIS 713 Introduction to the Preservation and Conservation of Library and Archival Materials</td>
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<tr>
<td>Total Credit Hours</td>
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<td>15</td>
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</table>

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. Students receiving two grades of C+ or lower will be unable to continue in the program. A graduate course can only be repeated once; no more than two courses can be repeated.
Nonprofit Management, Certificate

The certificate in nonprofit management is a certificate designed for college graduates who are pursuing careers in nonprofit organizations. The certificate provides the student an overview of the nonprofit sector. In addition, the certificate addresses specific skills that individuals working in nonprofit organization need. The certificate is a three course, 9 hour sequence.

To gain admission into the certificate program, participants must be admitted to the university through the regular admission process (https://www.roosevelt.edu/academics/programs/masters-in-public-administration-mpa/). Certificate courses can be applied toward the complete Master's in Public Administration for students who subsequently decide to pursue the complete degree.

The below three courses are required to complete the certificate. All of the courses can count toward the Master's in Public Administration degree.

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PADM 421</td>
<td>THE NONPROFIT SECTOR IN THE UNITED STATES</td>
<td>3</td>
</tr>
<tr>
<td>PADM 423</td>
<td>PROGRAM EVALUATION FOR NONPROFIT ORGANIZATIONS</td>
<td>3</td>
</tr>
<tr>
<td>PADM 424</td>
<td>RESOURCE DEVELOPMENT IN NONPROFIT ORGANIZATIONS</td>
<td>3</td>
</tr>
</tbody>
</table>

Paralegal Studies, Post-Baccalaureate Certificate

Program Description

The Post-Baccalaureate Paralegal Certificate is a non-credit certificate designed for college graduates who wish to pursue careers in the legal profession. According to recent information provided by the United States Department of Labor, the current demand for paralegal services is expected to continue for at least the next several years. Roosevelt University’s Paralegal Studies Program, approved by the American Bar Association since 1976, is one of the Midwest's premier paralegal education programs. The program enjoys an excellent reputation in the legal community and its comprehensive curriculum, hands-on faculty, and experienced administration prepares students to meet this demand. Upon successful completion of the program, students receive a Certificate in Paralegal Studies and have practical legal skills, enabling them to assume paralegal responsibilities with confidence.

Paralegals perform substantive legal work under the direct supervision of an attorney. Paralegals must have a solid understanding of legal concepts, and they perform a wide range of tasks including conducting interviews with clients and witnesses, gathering facts, researching the law, managing databases, assembling records, analyzing documents, drafting legal pleadings, drafting discovery items such as complaints and interrogatories, and maintaining conflict-of-interest systems. Experienced paralegals often accompany counsel during trial and help with document organization, witness preparation, and research. Paralegals may not provide legal services directly to the public, except as permitted by law. For more information on the paralegal profession and our program, please visit the program’s website (https://www.roosevelt.edu/).
Program Goals

The goals of the Paralegal Studies Program are for its students to:

1. Understand the basic concepts of substantive and procedural law including the operation of the legal system and the theory of law
2. Be able to work competently as a paralegal under the supervision of an attorney
3. Understand the ethical obligations of a paralegal

Curriculum

The curriculum is composed entirely of law courses. Instruction focuses on procedural and practical aspects of the profession. The program surveys paralegal employers, current students, and graduates on a regular basis to receive their insights on the curriculum and the needs of the legal community. The program also receives guidance from its board of advisors, composed of leading educators and members of the legal community. Students will know legal terminology, concepts, and procedures and will gain skills to draft a variety of legal documents. Students learn how to conduct legal research, both manually and online using Lexis and Westlaw (commonly used legal databases). They will learn about litigation support and e-discovery applications. Students will also be better prepared for the rigors of law school and may participate in an internship course as part of their curriculum.

Course Schedules

The Paralegal Studies Program offers unique scheduling options, including a full-time day schedule at our Chicago campus that can be completed in about four and a half months and a part-time evening schedule in Chicago in which students classes are eight to ten weeks in length. Students take one class at a time in the fall and spring semesters and take two classes during the summer. We also offer a schedule at our Schaumburg campus, which can be completed in nine months taking classes only on Saturdays and online. Students can begin the Chicago campus schedules in the fall and spring semesters and can begin the Schaumburg campus schedule in the fall semester only. Classes in both the Chicago part-time evening schedule and the Schaumburg campus schedules are offered in a combination of traditional on-campus classes, fully online classes and hybrid classes in which classes meet on-campus and have additional online instruction each week. The delivery format of each course is determined by the program and the schedules meet American Bar Association guidelines with respect to online delivery of legal specialty courses. The program is not available in a fully online format. Pursuant to ABA guidelines, students must take at least nine semester hours or the equivalent of legal specialty courses through traditional classroom instruction.

Admission

Applicants for the post-baccalaureate certificate must hold a bachelor’s degree in any discipline from an accredited institution; previous training in the law is not necessary. The program suggests an undergraduate grade point average of at least 2.5 on a 4.0 scale. Official transcripts from all undergraduate and graduate institutions, along with a completed application form and statement of intent must be submitted. Letters of recommendation and an interview may also be requested. For questions or an appointment, call (312) 281-3190.

Academic Performance

Students are required to complete eight courses with a grade of 70 percent or better in each course in order to earn their certificate. Grades are issued on the basis of honors (90 percent or higher), pass (70 percent through 89 percent), and fail (less than 70 percent). Students can earn a Certificate with Honors by completing seven of the eight required courses in the program with a grade of honors.

Lambda Epsilon Chi, National Paralegal Honor Society

Roosevelt University maintains a chapter of Lambda Epsilon Chi (LEX), a national paralegal honor society founded by the American Association for Paralegal Education. Members are inducted in April and October of each year and receive a commemorative certificate and membership pin. Their names are entered into the permanent records of the Lambda Epsilon Chi national paralegal honor society.

Requirements

Eight courses are required to complete the post-baccalaureate certificate.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAWA L01</td>
<td>ETHICS &amp; PROFESSIONALISM</td>
<td></td>
</tr>
<tr>
<td>LAWA L02</td>
<td>LEGAL RESEARCH</td>
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</tr>
<tr>
<td>LAWA L03</td>
<td>CIVIL LAW</td>
<td></td>
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<tr>
<td>LAWA L04</td>
<td>LITIGATION I</td>
<td></td>
</tr>
<tr>
<td>LAWA L05</td>
<td>COMMERCIAL LAW</td>
<td></td>
</tr>
<tr>
<td>LAWA L06</td>
<td>ADVANCED LITIGATION AND E-DISCOVERY</td>
<td></td>
</tr>
<tr>
<td>LAWA L25</td>
<td>LEGAL WRITING</td>
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Electives

Students take one of the following:

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>LAWA L09A</td>
<td>REAL ESTATE</td>
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<tr>
<td>LAWA L19A</td>
<td>INTELLECTUAL PROPERTY</td>
</tr>
<tr>
<td>LAWA L23</td>
<td>ESTATES, TRUSTS &amp; WILLS</td>
</tr>
<tr>
<td>LAWA L27</td>
<td>CORPORATIONS AND LLC LAW</td>
</tr>
<tr>
<td>LAWA L29</td>
<td>LEGAL TECHNOLOGY</td>
</tr>
<tr>
<td>LAWA L30</td>
<td>PARALEGAL INTERNSHIP</td>
</tr>
<tr>
<td>LAWA L32</td>
<td>LABOR AND EMPLOYMENT LAW</td>
</tr>
</tbody>
</table>

Paralegal elective courses run on a rotating basis throughout the academic year determined by market demand and student interest. Not all elective courses are offered every semester except for the Paralegal Internship. Contact the program director for more information.

Transfer of Paralegal Courses

The program may accept up to four paralegal courses toward the Paralegal Studies Program course requirements from other ABA-approved paralegal programs. The courses need to have been taken no longer than six years prior to the date on which the student enrolls in Roosevelt University’s paralegal program.
**Preclinical Psychology Post-Baccalaureate Certificate**

The Preclinical Psychology Post-Baccalaureate Certificate program is for students who have already completed their undergraduate education but did not take the necessary sequence of classes that graduate programs in clinical psychology and other mental health fields require for admission. This 7-course (21 credit hour) accelerated program allows students to fulfill these prerequisites in a streamlined fashion. Many graduate programs in clinical and counseling psychology are competitive for admission, so demonstrating completion of a rigorous sequence is often necessary for advanced training and ultimately entrance into the field. This program will also provide students with support and assistance in applying to graduate school (personalized advising, assistance with application essays).

All classes for the certificate are offered online, either in an 8- or 16-week format. All requirements can be completed as rapidly as within one year (Fall, Spring, with the option of Summer).

The certificate requires 21 credit hours in Psychology. We will accept up to 9 semester hours of transfer for courses completed at other colleges towards the certificate. A grade of C is the minimal acceptable grade for a course to be applied towards the certificate.

All students will complete these five courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 103</td>
<td>INTRODUCTORY PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 200</td>
<td>INTRODUCTORY STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>ABNORMAL PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 243</td>
<td>THEORIES OF PERSONALITY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 285</td>
<td>RESEARCH METHODS</td>
<td>3</td>
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</tbody>
</table>

Select two classes from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 319</td>
<td>CHILD &amp; ADOLESCENT PSYCHOPATHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 336</td>
<td>BRAIN AND BEHAVIOR</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 347</td>
<td>HEALTH PSYCHOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 393</td>
<td>INTERNSHIP IN PSYCHOLOGY</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours**: 21

**Public Sector Management, Certificate**

The Public Sector Management certificate is a sequence of four courses (12 hours) intended to provide individuals who are currently working in the public and nonprofit sectors a set of basic management skills that will assist them in obtaining leadership positions in government and nonprofit organizations. The certificate covers the following areas:

- An overview of the structure and processes of the public sector in the United States
- Information about management competencies needed by leaders in public and nonprofit organizations
- Information about the techniques and constraints of managing people in public and nonprofit organizations
- Concepts, methods, and processes of financial management with an emphasis on the public sector

To gain admission into the certificate program, participants must be admitted to the university through the regular admission process (https://www.roosevelt.edu/academics/programs/masters-in-public-administration-mpa/). Certificate courses can be applied toward the complete Master’s in Public Administration for students who subsequently decide to pursue the complete degree.

The following four courses are required for the certificate. All of the courses can count toward the Master’s in Public Administration degree.

Required Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PADM 400</td>
<td>PUBLIC SERVICE IN THE UNITED STATES</td>
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</tr>
<tr>
<td>PADM 401</td>
<td>MANAGEMENT PRACTICES FOR PUBLIC SECTOR</td>
<td>3</td>
</tr>
<tr>
<td>PADM 404</td>
<td>HUMAN RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>PADM 405</td>
<td>PUBLIC BUDGET &amp; FINANCIAL MANAGEMENT</td>
<td>3</td>
</tr>
</tbody>
</table>

**Public Finance, Certificate**

The Public Finance certificate is a sequence of four courses (12 hours) intended to provide individuals who are currently working in the public sector a set of basic skills that will assist them in understanding the financing of policy in government organizations. The certificate covers the following areas:

- Concepts, methods, and processes of financial management with an emphasis on the public sector
- How the finance and policy processes impact public service delivery, civil rights, and social/economic justice in the following areas:
  - Education
  - Healthcare
  - Housing
The Spanish for Healthcare Professionals Certificate Program trains students in Spanish language skills geared specifically to the health professions. The four-course program will provide students with the linguistic and cultural competencies necessary to communicate with Spanish-speaking patients with limited proficiency in English. Covering pertinent grammar and vocabulary relevant to health care situations, the program will also introduce students to sociocultural issues specific to Hispanic populations. Its online format makes it accessible to students and working professionals in geographically diverse regions.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 401</td>
<td>SPANISH FOR HEALTH CARE PROFESSIONALS I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 402</td>
<td>SPANISH FOR HEALTH CARE PROFESSIONALS II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 403</td>
<td>SPANISH FOR HEALTH CARE PROFESSIONALS III</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 404</td>
<td>CULTURE AND HEALTH IN HISPANIC COMMUNITIES</td>
<td>3</td>
</tr>
</tbody>
</table>

Professional Competencies:

1. Develop sufficient linguistic skills to communicate effectively with Spanish-speaking patients. While speaking and comprehension skills will be especially emphasized, students will also learn to read and write in Spanish.

2. Acquire cultural knowledge about Hispanic communities and awareness of the socio-cultural factors which impact the health of Hispanic populations.

3. Gain the skills and knowledge which enable healthcare professionals to respectfully interact with Hispanic patients.
COLLEGE OF EDUCATION

The College of Education prepares teachers, counselors, and leaders to transform schools and communities in the pursuit of knowledge and social justice. Through the continuous evaluation and refinement of academic programs, offerings are kept current and relevant to this core mission, real world contexts, and professional standards of quality. Faculty members are experienced and dedicated teachers who value individuality, creativity, compassion, and research. In addition, the college brings together talent and resources from a variety of disciplines, and incorporates cutting edge technologies. All programs include a variety of clinical experiences that augment and integrate academic studies.

The College of Education has a history of serving nontraditional as well as traditional students. Whether preparing professionals for urban or suburban classrooms, non-school settings, or working with older adults, the College of Education demonstrates a continuing commitment to quality and service. Programs are focused at the Chicago campus on Michigan Avenue, but Elementary Education is also offered at the Schaumburg campus. Most graduate courses are scheduled in the evenings and on weekends. Some courses and the graduate programs in Teaching and Learning and Reading are offered online.

The College’s graduate programs provide continuing professional development to teachers and school personnel as well as initial preparation in teaching and counseling. The programs in Educational Leadership (Instructional Leadership and Dual Language Teacher Leadership), Language and Literacy (Reading and Second Language Special Education) and Teaching and Learning are designed for current practitioners. Initial teacher licensure is offered in the following areas through the New Deal Teacher Academy: Early Childhood Education, Elementary Education, Secondary Education and Special Education. Initial licensure is offered in School and Clinical Mental Health counseling.

Accreditation and Licensure

The Council for the Accreditation of Counseling and Related Educational Programs (CACREP) accredits the counseling programs in the College of Education, and the Illinois State Board of Education (ISBE) approves all teacher and school counselor licensure programs. All licensure program completers are entitled to Roosevelt University’s recommendation for one of the following Illinois endorsements: early childhood; school service personnel license with guidance specialist endorsement; elementary; reading specialist; special education LBS1; and high school, grades 9 through 12 in the areas of history, math, biology, chemistry, English, and business education.

Program Admission

Prospective students should apply for admission through the Office of Admission. Once admitted, students are assigned an advisor. Each program in the College of Education has its own screening procedures and requirements for admission. Enrollment in teacher licensure programs and the school counseling program requires a passing score on the ILTS Test of Academic Proficiency or an ACT or SAT score that meets the state’s criterion, and a minimum of 120 semester hours of credit at the undergraduate level. The minimum undergraduate GPA required for graduate admission is 2.7, but some programs have higher standards. It is important, therefore, that prospective students consult with the Office of Admission concerning the requirements for the specific area in which they wish to pursue their studies.

Readmission

All graduate students who have been absent for three consecutive semesters (excluding the summer) must submit a Readmission Application to the Office of the Registrar and contact their graduate advisor for readmission to the college program. International students must seek readmission through the international student advisor.

Program Completion

Masters programs require completion within six years unless exception is formally approved by specific program. Students must petition for degree completion extension for continuation in the program after six years. There is no readmission to the program after eight years.

Continuing Enrollment

Graduate students in education must satisfy the basic requirements of Roosevelt University’s graduate division and the college requirements in their program. Most important, no more than six semester hours with grades of C may be counted toward an MA in education, and a cumulative grade point average of 3.0 is required for graduation and continuing enrollment. In addition, students must demonstrate the core professional dispositions outlined in the College of Education conceptual framework and in student handbooks; failure to do so may result in a hearing, remediation, and/or dismissal from the program. All remediation plans and decisions related to academic suspension/dismissal require the approval of the associate dean of the college.

Field and Clinical Experiences

Extensive contact with classrooms and/or community centers and first-hand experience in dealing with everyday problems are critical components of all programs. Through its Office of Field Placements, the College of Education offers a wide variety of field experience opportunities. Experiences in clinical sites range from observation to tutorials and small-group and large-group interactions, as well as participation in school and community activities. Field sites range from the city to the suburbs, and all candidates are required to interact with diverse learners in the context of their field and clinical experiences. Pre-practicum and practicum experiences satisfy State of Illinois licensure requirements.

The Office of Field Placements approves all clinical placements, taking into consideration the needs and interests of faculty, programs, and students. Students may only arrange their own placements when specifically asked to do so, using a list of approved sites. Under no circumstances should students contact schools or other sites without explicit permission from the Office of Field Placements. Requests for student teaching placements must be submitted two semesters in advance. Applications for student teaching, and other clinical experiences, are available from faculty advisors and from the Office of Field Placement. Orientations and other meetings related to field experiences are required of all students.

Transfer Credit

A maximum of six semester hours of acceptable graduate level course work from a regionally accredited graduate school may be considered for transfer to the MA programs under the following conditions: the credit has not been applied toward any other degree, the final grade is A or B, the credit will not be more than six years old when the degree is conferred, and the content is equivalent to a requirement or appropriate as an elective in the degree sequence. The request for approval must be...
made during the student’s first semester at Roosevelt University, and the advisor must transmit the request to the registrar’s office via an official form and transcript. Acceptance of transfer credits will not reduce the number of semester hours that are required specifically at Roosevelt University for the graduate degree.

Clinical Mental Health Counseling, MA

The Counseling program is designed for students who aspire to transform schools and communities in the pursuit of social justice through individualized attention to the needs of children, adolescents, and adults. An undergraduate academic major in counseling is not required. Students may choose from degree programs in Clinical Mental Health Counseling, School Counseling, and College Counseling and Student Affairs.

The Clinical Mental Health Counseling program prepares students for work as professional counselors and to meet the comprehensive mental health needs of diverse clients. The program satisfies academic requirements for licensure as a professional counselor and clinical professional counselor in the State of Illinois. The program also meets the academic requirements for national certification in mental health counseling (CCMHC) and for national counselor certification (NCC).

Admission

Students are admitted only for the fall term at the Chicago campus. For priority consideration, the deadline to apply is March 1. For regular consideration, the deadline is rolling until two weeks before the start of the fall semester. Applications for all scholarships and graduate assistantships are also due by the priority deadline of March 1.

Applicants must have a minimum grade point average of 3.0 on a 4.0 scale for the entirety of their undergraduate course work, a minimum of 120 credit hours at the undergraduate level, a personal statement outlining goals and aspirations, and two letters of recommendation from individuals who can evaluate academic or work abilities. Interviews are by invitation only and are required prior to admission.

Decisions will be based on prior academic performance, current academic performance, the personal statement, letters of recommendation, and an evaluation of professional skills and dispositions.

Requirements

Students working toward the MA in Clinical Mental Health Counseling are required to complete 60 credit hours of graduate study. To qualify for Roosevelt University’s recommendation for the Licensed Professional Counselor, all state and program requirements in effect at the time of application must be met, including all clinical experience requirements and passing scores on the Counseling Preparation Comprehensive Exam and The National Counselor Exam.

All graduate students must maintain a 3.0 GPA in their graduate courses, and no grade below C is acceptable for certification or the MA degree. Only two grades of C are allowed toward the MA degree.

At the time of admission, faculty advisors review transcripts and evaluate all course work completed at other colleges or universities. Advising plans are developed, and any needs, deficiencies, or electives are noted. Each student must confer with his/her assigned advisor before enrolling in the program and during each advising period to ensure that all requirements are being successfully completed.

Students are required to complete the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CHS 401</td>
<td>PROFESSIONAL ORIENTATION AND ETHICAL PRACTICE IN COUNSELING</td>
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<tr>
<td>CHS 406</td>
<td>STATISTICS &amp; RESEARCH METHODS IN COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>CHS 411</td>
<td>SOCIAL &amp; CULTURAL FOUNDATIONS</td>
<td>3</td>
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<tr>
<td>CHS 413</td>
<td>FOUNDATIONS OF COUNSELING THEORY AND PRACTICE</td>
<td>3</td>
</tr>
<tr>
<td>CHS 416</td>
<td>HUMAN APPRAISAL</td>
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</tr>
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<td>CHS 417</td>
<td>CAREER AND LIFE-STYLE PLANNING</td>
<td>3</td>
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<tr>
<td>CHS 421</td>
<td>THEORIES OF GROUP DYNAMICS AND COUNSELING</td>
<td>4</td>
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<tr>
<td>CHS 457</td>
<td>TOPICS/ISSUES IN HUMAN DEVELOPMENT</td>
<td>3</td>
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Practicum & Internship Courses

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<thead>
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<td>PRE-PRACTICUM I: BASIC COUNSELING SKILLS AND TECHNIQUES</td>
<td>3</td>
</tr>
<tr>
<td>CHS 462</td>
<td>PRE-PRACTICUM II: ADVANCED COUNSELING SKILLS AND TECHNIQUES</td>
<td>3</td>
</tr>
<tr>
<td>CHS 463</td>
<td>COUNSELING PRACTICUM</td>
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<tr>
<td>CHS 599</td>
<td>INTERNSHIP: CLINICAL MENTAL HEALTH ((2 full semesters))</td>
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Specialization Courses

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<tr>
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<td>CHS 419</td>
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<tr>
<td>CHS 420</td>
<td>MARRIAGE AND FAMILY COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>CHS 422</td>
<td>TOPICS IN SUBSTANCE ABUSE AND ADDICTIVE DISORDERS</td>
<td>3</td>
</tr>
<tr>
<td>CHS 431</td>
<td>CLINICAL MENTAL HEALTH COUNSEL</td>
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<tr>
<td>CHS 464</td>
<td>CHILD &amp; ADOLESCENT COUNSELING</td>
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</tbody>
</table>

Electives - 6.0 credits of courses approved by advisor 6

Total Credit Hours 61

Clinical experiences and two electives are required of all Clinical Mental Health students. Applications for practicum and internship courses must be submitted one year in advance of placement and are submitted through the Office of Field Placement.

Electives should be determined in consultation with a faculty advisor. Procedures for Student Performance Reviews, available on the college website, will be followed if students are rejected for clinical placement at least three times due to concerns about academic or interview performance.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Spring Hours</th>
<th>Credit Summer Hours</th>
<th>Credit Hours</th>
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<td>CHS 411</td>
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<tr>
<td>CHS 413</td>
<td>3</td>
<td>CHS 422</td>
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</tr>
<tr>
<td>CHS 460</td>
<td>3</td>
<td>CHS 464</td>
<td>3</td>
</tr>
</tbody>
</table>

9 9 3
Students working toward the MA in College Counseling and Student Affairs are required to complete 61 credit hours of graduate study. To qualify for Roosevelt University's recommendation for the degree, all state and program requirements in effect at the time of application must be met, including all clinical experience requirements and passing scores on the Counseling Preparation Comprehensive Exam and The National Counselor Exam.

All graduate students must maintain a 3.0 GPA in their graduate courses, and no grade below C is acceptable for certification or the MA degree. Only two grades of C are allowed toward the MA degree.

At the time of admission, faculty advisors review transcripts and evaluate all course work completed at other colleges or universities. Advising plans are developed, and any needs, deficiencies, or electives are noted. Each student must confer with his/her assigned advisor before enrolling in the program and during each advising period to ensure that all requirements are being successfully completed.

Students are required to complete the following courses:

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<thead>
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<th>Code</th>
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<td>CHS 401</td>
<td>PROFESSIONAL ORIENTATION AND ETHICAL PRACTICE</td>
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<td></td>
<td>IN COUNSELING</td>
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<tr>
<td>CHS 406</td>
<td>STATISTICS &amp; RESEARCH METHODS IN COUNSELING</td>
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<tr>
<td>CHS 411</td>
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<td>CAREER AND LIFE-STYLE PLANNING</td>
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<tr>
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<td></td>
<td>Pracicum &amp; Internship Courses</td>
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<tr>
<td>CHS 460</td>
<td>PRE-PRACTICUM I: BASIC COUNSELING SKILLS AND TECHNIQUES</td>
<td>3</td>
</tr>
<tr>
<td>CHS 463</td>
<td>COUNSELING PRACTICUM</td>
<td>3</td>
</tr>
<tr>
<td>CHS 575</td>
<td>INTERNSHIP IN HIGHER ED</td>
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</table>

Specialization Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 425</td>
<td>SEMINAR: TOPICS IN COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>CHS 468</td>
<td>HUMAN SEXUALITY</td>
<td>3</td>
</tr>
<tr>
<td>CHS 470</td>
<td>INTRO TO CC &amp; SA</td>
<td>3</td>
</tr>
<tr>
<td>CHS 471</td>
<td>CLG STDT DEV.THEORIES &amp; TOP</td>
<td>3</td>
</tr>
<tr>
<td>CHS 472</td>
<td>STDT SVCS:PRGMS PLCIES, PRACT</td>
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<tr>
<td>CHS 473</td>
<td>ENRLMNT MGMT IN AGE OF DISRUPT</td>
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</tr>
<tr>
<td>CHS 474</td>
<td>HGHHR ED LEGAL &amp; FIN ISSUES</td>
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<tr>
<td></td>
<td>Electives-Approved by advisor</td>
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</tr>
</tbody>
</table>

Total Credit Hours 61-64

Internship experiences and two electives are required of all College Counseling and Student Affairs students. Applications for practicum and internship courses must be submitted one year in advance of placement and are submitted through the Office of Field Placement.
Dual Language Teacher Leadership, MA

This 30 credit hour MA program is designed to prepare licensed early childhood, elementary and secondary teachers to be Dual Language teacher leaders. Required courses are aligned with Illinois Teaching and Leadership Standards, the National Teacher Leader Model Standards and the Interstate School Leaders Licensure Consortium Standards; meeting the requirements of Illinois State Board of Education ESL/Bilingual Endorsement and the Teacher Leader Endorsement. A practicum (DLTL 470) and internship capstone course (DLTL 480) develop the skills needed to continuously advocate for improving Bilingual and Dual Language programming and instructional practices. An optional travel abroad may be offered to further develop academic Spanish proficiency. The ESL/Bilingual Endorsement and the Teacher Leader Endorsement can be added to a State of Illinois teaching license upon the successful completion of the program.

Admission

Applicants for admission must possess an undergraduate degree and an undergraduate or graduate grade point average of at least 2.7 on a 4.0 scale. They also must hold a valid teaching certificate or license. Applicants submit an application and transcripts.

Requirements

To earn the MA in Dual Language Teacher Leadership, students must complete 30 semester hours of course work with a minimum grade-point average of 3.0. No grades below C may apply toward the degree, and no more than two courses with grades of C or C+ are allowed.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>DLTL 410</td>
<td>FOUNDATIONS OF BILINGUAL &amp; DUAL LANGUAGE EDUCATION</td>
<td>3</td>
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</table>

Early Childhood Education, MA

The Early Childhood program is designed for students who wish to earn an Illinois teaching license to work with children from birth through grade two. The requirements for the Illinois Early Childhood Teaching license and the Early Childhood Special Education Approval are integrated within the program. The program is ideal for students who do not have an undergraduate major in education, but who aspire to transform schools and classrooms in pursuit of social justice.

With careful planning, students can add one or more of the following endorsements to their teaching license: Bilingual/ESL education,
Elementary education, Special education (LBS 1). Please consult with a College of Education advisor for more information.

Admission

Admission to the program requires a BA degree in any academic area with a grade point average of 2.7 on a 4.0 scale, at least 120 credit hours of undergraduate courses from an accredited college or university.

At the time of admission, an advisor reviews transcripts and evaluates all course work completed at other colleges or universities. Advising plans are developed and any deficiencies related to licensure requirements are noted. If additional course work is needed, the student's advisor will indicate the course work needed on an advising plan. Students must confer with their assigned advisors before enrolling in the program and during each advising period to ensure that all requirements are being successfully completed.

Requirements

All methods courses must be passed with grades of C- or higher.

Students must maintain an overall GPA of at least a 2.7 while enrolled in the education program. Should a student fall below a 2.7 GPA, the College of Education program faculty will review the students eligibility to continue moving forward in the licensure program.

Student's one semester prior to their student teaching must submit proof of passing the appropriate Early Childhood content exam that meets the state's criterion.

Student Teaching must be passed with a minimum C or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 402</td>
<td>CHILD &amp; ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION</td>
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<tr>
<td>ECHD 403</td>
<td>INDIVIDUALIZED COACHING AND FIELD EXPERIENCES 1</td>
<td>1</td>
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<tr>
<td>ECHD 405</td>
<td>ASSESSMENT IN EARLY CHILDHOOD EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>ECHD 410</td>
<td>CHILD, FAMILY, COMMUNITY AND PHILOSOPHY OF EARLY CHILDHOOD EDUCATION</td>
<td>3</td>
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<tr>
<td>SPED 419</td>
<td>EXCEPTIONAL CHILDREN &amp; YOUTH</td>
<td>3</td>
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<tr>
<td>ELED 441</td>
<td>METHODS OF TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL</td>
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<tr>
<td>READ 420</td>
<td>TEACHING READING IN K-8 EDUCATION</td>
<td>3</td>
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<tr>
<td>EDUC 421</td>
<td>INTEGRATED, HEALTH, ARTS, AND PE CURRICULUM</td>
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<td>ECHD 428</td>
<td>INDIVIDUALIZED COACHING &amp; FIELD EXPERIENCE 2</td>
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<td>ECHD 434</td>
<td>LANGUAGE DEVELOPMENT</td>
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<tr>
<td>ECHD 436</td>
<td>STRATEGIES AND MATERIALS FOR TEACHING EMERGENT LITERACY &amp; SOCIAL STUDIES: PRE-KINDERGARTEN</td>
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<tr>
<td>ECHD 438</td>
<td>EARLY CHILDHOOD CURRICULUM &amp; ASSESSMENT: PRESCHOOL</td>
<td>3</td>
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<td>ECHD 439</td>
<td>MATHEMATICS IN EARLY CHILDHOOD EDUCATION</td>
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<tr>
<td>ECHD 448</td>
<td>IND. COACHING &amp; FIELD EXP. 3</td>
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Field Experience & Student Teaching

Pedagogical and real-world training is at the center of graduate degree coursework. Consequently, all Early Childhood Education majors are required to enroll in one credit hour 'Individualized Coaching and Field Experiences' courses in each of three semesters prior to student teaching. Each field experience course requires 50 hours in a classroom setting.

In their Individualized Coaching courses, students will complete the field experiences needed to develop professional knowledge, skills and dispositions in alignment with Roosevelt's social justice mission. As students progress from one individualized coaching course to another, they will take on tasks and responsibilities that are increasingly complex and challenging. These experiences will prepare students for success in student teaching experiences that culminate in the Early Childhood major and the awarding of an Illinois Professional Educator License.

Placement in student teaching sites is planned with consideration of professional standards and partnership schools and agencies. Pre-primary and Primary student teaching placements are open only to students who have successfully completed the appropriate general education and professional education courses and early childhood content test, and other College of Education student teaching requirements. Placements in sites with diverse student populations are required. Students must submit a formal application two semesters prior to the semester in which they plan to do their student teaching. Applicants are expected to be in good academic standing and must provide evidence of competency with regard to professional dispositions, including the passage of a criminal background check. Students should consult regularly with their advisor about the specific requirements for licensure and student teaching in Illinois.

Licensure requirements

Students who complete the Early Childhood program earn a State of Illinois Professional Education License, with an early childhood endorsement and early childhood special education approval which will allow teaching special needs pre-kindergarten only. With careful planning, students can add on an additional endorsement in Bilingual/ESL education, Elementary Education and Special Education (LBS1).

In order to qualify for Roosevelt University's recommendation for the Illinois teaching license and early childhood endorsement, students must meet all general education requirements that are in effect at the time of their application.

Students must consult with their education advisor to determine which general education courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, graduate students must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and
authoritative information with respect to all program and licensure requirements.

Student’s one semester prior to their student teaching must submit proof of passing the Early Childhood Education content exam that meets the state’s criterion and have a minimum 2.7 GPA in all graduate courses. All courses must be passed with grades of C- or higher and a minimum C or higher in Student Teaching. Please contact the College of Education for more information regarding the Early Childhood Education content exam criteria.

Before issuing a license, the Illinois State Board of Education also requires satisfactory scores on the Educator Teacher Performance Assessment Portfolio (edTPA).

### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<tr>
<td>ECHD 438</td>
<td>3 READ 420</td>
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<td>ECHD 403</td>
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<td>ECHD 482</td>
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</tr>
<tr>
<td>ECHD 448</td>
<td>1 ELED 448</td>
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<tr>
<td>ECHD 410</td>
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<table>
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<tr>
<th>Summer</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>SPEC 419</td>
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<tr>
<td>ECHD 428</td>
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<td>ECHD 438</td>
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### Year 2

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<td>3 EDUC 003</td>
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<th>Credit Hours</th>
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<tbody>
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<td>3 ECHD 474</td>
</tr>
<tr>
<td>ECHD 482</td>
<td>3 EDUC 003</td>
</tr>
<tr>
<td>ECHD 448</td>
<td>1 ELED 448</td>
</tr>
<tr>
<td>ECHD 410</td>
<td>3 ECHD 482</td>
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<table>
<thead>
<tr>
<th>Summer</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ECHD 439</td>
<td>3 ECHD 474</td>
</tr>
<tr>
<td>ECHD 482</td>
<td>3 EDUC 003</td>
</tr>
<tr>
<td>ECHD 448</td>
<td>1 ELED 448</td>
</tr>
<tr>
<td>ECHD 410</td>
<td>3 ECHD 482</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 48 |

### Elementary Education, MA

The Elementary Education program is designed for students who wish to earn an Illinois teaching license to work with children 1st grade - 6th grade. The Elementary Education program is designed for students who have undergraduate degrees in fields other than education and who aspire to transform elementary schools in the pursuit of social justice.

With careful planning, students can add one or more of the following endorsements to their teaching license: Bilingual/ESL, Early Childhood, Special Education (LBS 1), Middle School, and Reading Teacher endorsements.

### Admission

Admission to the program requires a BA degree in any academic area with a grade point average of 2.7 on a 4.0 scale, at least 120 credit hours of undergraduate courses from an accredited college or university.

At the time of admission, an advisor reviews transcripts and evaluates all course work completed at other colleges or universities. Advising plans are developed and any deficiencies related to licensure requirements are noted. If additional course work is needed, the student’s advisor will indicate the course work needed on an advising plan. Students must confer with their assigned advisors before enrolling in the program and during each advising period to ensure that all requirements are being successfully completed.

### Requirements

All methods courses must be passed with grades of C- or higher.

Students must maintain an overall GPA of at least a 2.7 while enrolled in the education program. Should a student fall below a 2.7 GPA, the College of Education program faculty will review the students eligibility to continue moving forward in the licensure program.

Student’s one semester prior to their student teaching must submit proof of passing the appropriate Elementary Education content exam that meets the state’s criterion.

Student Teaching must be passed with a minimum C or higher.

### Code Title Credit Hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 402</td>
<td>CHILD &amp; ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION</td>
<td>3</td>
</tr>
<tr>
<td>ELED 400</td>
<td>CURRICULUM, INSTRUCTION, AND ASSESSMENT</td>
<td>3</td>
</tr>
<tr>
<td>ELED 401</td>
<td>FOUNDATIONS &amp; COMMUNITY</td>
<td>3</td>
</tr>
<tr>
<td>ELED 403</td>
<td>IND. COACH &amp; FIELD EXP I</td>
<td>1</td>
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<tr>
<td>EDUC 421</td>
<td>INTEGRATED, HEALTH, ARTS, AND PE CURRICULUM</td>
<td>3</td>
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<td>ELED 428</td>
<td>IND. COACHING &amp; FIELD EXP 2</td>
<td>1</td>
</tr>
<tr>
<td>ELED 441</td>
<td>METHODS OF TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL</td>
<td>3</td>
</tr>
<tr>
<td>ELED 448</td>
<td>IND. COACH &amp; FIELD EXP III</td>
<td>1</td>
</tr>
<tr>
<td>READ 420</td>
<td>TEACHING READING IN K-8 EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>READ 433</td>
<td>STRAT/MAT READ &amp; SOC STUD K-8</td>
<td>3</td>
</tr>
<tr>
<td>SPED 419</td>
<td>EXCEPTIONAL CHILDREN &amp; YOUTH</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Credit Hours

|                                          | 36 |

### Field Experience & Student Teaching

Pedagogical and real-world training is at the center of graduate degree coursework. Consequently, all graduates are required to enroll in one credit hour ‘Individualized Coaching and Field Experiences’ courses in each of three semesters prior to their practicum or student teaching. Each field experience course requires 50 hours in a classroom setting.

In their Individualized Coaching courses, students will complete the field experiences needed to develop professional knowledge, skills, and dispositions in alignment with Roosevelt’s social justice mission. As students progress from one Individualized Coaching course to another, they will take on tasks and responsibilities that are increasingly complex and challenging. These experiences will prepare students for success in the student teaching experiences that culminate the Elementary Education major and facilitate the awarding of an Illinois Professional Educator License.
Placement in student teaching sites is planned with consideration of professional standards and partnership schools and agencies. Student teaching placements are open only to students who have successfully completed the appropriate general education and professional education courses, content tests, and other College of Education student teaching requirements. Placements in sites with diverse student populations are required. Students must submit a formal application two semesters prior to the semester in which they plan to do their student teaching. Applicants are expected to be in good academic standing and must provide evidence of competency with regard to professional dispositions, including passage of a criminal background check. Students should consult regularly with their advisor about the specific requirements for licensure and student teaching in Illinois.

Licensure Requirements

Students who complete the Elementary Education program earn a State of Illinois Professional Education License with an elementary education endorsement. With careful planning, students can add on an additional endorsement in Early Childhood education, Bilingual/ESL education, Middle School education, Special Education (LBSI) and Reading Teacher.

In order to qualify for Roosevelt University’s recommendation for the Illinois teaching license in Elementary Education, students must meet all general education requirements that are in effect at the time of their application.

Students must consult with their education advisor to determine which general education courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, graduates must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Students, one semester prior to their student teaching must submit proof of passing the Elementary Education content exam that meets the state’s criterion and have a minimum 2.7 GPA in all graduate courses. All courses must be passed with grades of C- or higher and a minimum C or higher in Student Teaching. Please contact the College of Education for more information regarding the Elementary Education content exam criteria.

Before issuing a license, the Illinois State Board of Education also requires satisfactory scores on the Educator Teacher Performance Assessment Portfolio (edTPA).

Instructional Leadership, MA

The program in educational leadership is designed for students who wish to be educational leaders in schools, post-secondary institutions, professional associations, nonprofit organizations, and government.

The MA in Instructional Leadership prepares licensed teachers to become teacher leaders, assistant principals, and principals in diverse schools and community contexts. All goals, activities, outcomes, field experiences, assessments, and internship courses meet state rules and regulations and are aligned with the Interstate School Leaders Licensure Consortium (ISLLC, 2008) Standards and the College of Education’s Conceptual Framework.

The program works in close partnership with five school districts in the northwest Chicago suburbs to admit candidates, deliver training and instruction, and assess outcomes. A subsidiary partnership with the national non-profit organization Kids At Hope (KAH) also is a distinctive feature of the degree. KAH works with schools and other community-based agencies to implement strategies that strengthen the belief that ‘all children are capable of success – no exceptions.’

Admission

Applications to the MA degree in Instructional Leadership are accepted on a rolling basis throughout the year. Candidates must complete two years of successful teaching on a valid and current Illinois teaching license by the completion of this program, provide contact referral with supervisors attesting to students’ academic growth and the applicant’s leadership activities and potential, provide information that demonstrates leadership leading to the approval for the Principal Endorsement Concentration, (PEC) Partnership Steering Committee for admission to the MA degree program. For a full description of all the admission requirements, contact the Office of Admission or the Program Director. Communication with the Program Director is encouraged before submitting the admission application and documentation.

Requirements

Six core courses (18 credit hours) define the MA degree in Instructional Leadership. All courses must be passed with grades of C or higher to earn the degree. A cumulative 3.0 grade point average is required for continuing enrollment.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ILED 401</td>
<td>ASSESSMENT AND DATA ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>ILED 411</td>
<td>LEADERSHIP FOR ALL STUDENTS</td>
<td>3</td>
</tr>
<tr>
<td>ILED 412</td>
<td>BUILDING SCHOOL CULTURE AND COLLABORATION WITH DIVERSE STAKEHOLDERS</td>
<td>3</td>
</tr>
<tr>
<td>ILED 420</td>
<td>INSTRUCTIONAL SUPERVISION AND EVALUATION IN AN AGE OF ACCOUNTABILITY</td>
<td>3</td>
</tr>
<tr>
<td>ILED 430</td>
<td>MENTOR COACH &amp; LEAD FRAMEWORKS</td>
<td>3</td>
</tr>
<tr>
<td>ILED 435</td>
<td>ORGANIZING AND DEVELOPING INNOVATIVE CURRICULUM</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration

Select one of the following concentrations: 12-15

Principal Endorsement
Concentrations

The MA in Instructional Leadership offers two concentrations: Principal Endorsement and Teacher Leader. The selection of a concentration should be done in collaboration with the program coordinator. Enrollment in the Principal Endorsement Concentration requires a second level of admission vetting.

Principal Endorsement Concentration

To earn admission to the 15 credit hour Principal Endorsement Concentration, all candidates must have already earned admission to the MA in Instructional Leadership. In addition, candidates must present evidence of a passing score on the ILTS Test of Basic Skills or TAP (Test of Academic Proficiency), successfully present a portfolio of artifacts documenting the leadership achievements and potential of the candidate, sit for an interview and successfully complete a written response to scenarios. For a full description of all the admission requirements, contact the program coordinator. A meeting with the program coordinator is strongly recommended before applying for admission.

Successful completion of the following courses and all other state requirements will lead to the Principal Endorsement on an Illinois Professional Educator license.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ILED 440</td>
<td>PLANNING, DELIVERING, AND ASSESSING SCHOOL IMPROVEMENT PROGRAMS</td>
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<tr>
<td>ILED 451</td>
<td>SCHOOL MANAGEMENT &amp; BUDGET</td>
<td>3</td>
</tr>
<tr>
<td>ILED 453</td>
<td>LEGAL ISSUES IN PRE-K TO 12 EDUCATION (LEGAL ISSUES IN PRE-K TO 12 EDUC)</td>
<td>3</td>
</tr>
<tr>
<td>ILED 463</td>
<td>PRINCIPAL INTERNSHIP I</td>
<td>3</td>
</tr>
<tr>
<td>ILED 464</td>
<td>PRINCIPAL INTERNSHIP II</td>
<td>3</td>
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<tr>
<td>Total Credit Hours</td>
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<td>15</td>
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</tbody>
</table>

Teacher Leader Concentration

Successful completion of the Teacher Leader Concentration entitles students to Teacher Leader Endorsements on their Illinois Professional Educator License. Students can earn endorsements by successfully completing the two courses listed below. In order to complete the MA degree in Instructional Leadership with the Teacher Leader Concentration, students will need to take two additional electives, for a total of 30 credit hours. Typical electives are courses in reading, special education, and bilingual education; however, graduate courses in specific content areas (e.g., math) also are acceptable. Students should consult with the program coordinator about the elective courses that best meet their leadership needs.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ILED 440</td>
<td>PLANNING, DELIVERING, AND ASSESSING SCHOOL IMPROVEMENT PROGRAMS</td>
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</tr>
<tr>
<td>ILED 460</td>
<td>TEACHER LEADER PRACTICUM</td>
<td>3</td>
</tr>
<tr>
<td>Select two additional electives</td>
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<td>Total Credit Hours</td>
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Middle School Education, MA

The purpose of the Middle School Education program is to prepare capable, dedicated, and concerned teachers who are committed to the intellectual, emotional, social, and physical growth of adolescents enrolled in middle school classrooms. Students are encouraged to develop communication skills, content knowledge, observational skills, and sound teaching practices that they can apply to their work with diverse learners. Over the duration of the program, students develop a sense of themselves as professional educators who can act as change agents in their schools. Students who successfully complete the program earn a State of Illinois Professional Educator License to teach in grades 5-8.

With careful planning, students can add one or more of the following endorsements to their teaching license: Bilingual/ESL, Special Education (LBS1). Please consult with a College of Education advisor for more information.

Admission

Admission to the program requires a BA degree in any academic area with a grade point average of 2.7 on a 4.0 scale, at least 120 credit hours of undergraduate courses from an accredited college or university.

At the time of admission, an advisor reviews transcripts and evaluates all course work completed at other colleges or universities. Advising plans are developed and any deficiencies related to licensure requirements are noted. If additional course work is needed, the student’s advisor will indicate the course work needed on an advising plan. Students must confer with their assigned advisors before enrolling in the program and
during each advising period to ensure that all requirements are being successfully completed.

**requirements**

All methods courses must be passed with grades of C- or higher.

Students must maintain an overall GPA of at least a 2.7 while enrolled in the education program. Should a student fall below a 2.7 GPA, the College of Education program faculty will review the students eligibility to continue moving forward in the licensure program.

Student’s one semester prior to their student teaching must submit proof of passing the appropriate Middle School Education content exam that meets the state’s criterion.

Student Teaching must be passed with a minimum C or higher.

**FIELD EXPERIENCE & Student teaching**

Field experiences in Middle School Education involve urban and suburban placements and must include culturally diverse learners. Experiences take place in middle school settings and evolve teacher candidates in individual, small group, and whole-class instruction, observation, and participation in community-based activities. A minimum of 100 hours of field experiences is required prior to student teaching.

Placement in student teaching sites is planned with consideration of professional standards and partnership schools and agencies. Placements are open only to students who have successfully completed the appropriate content courses, professional education courses, Middle School content test, and other College of Education student teaching requirements. Placements in sites with diverse student populations are required. Students must submit a formal application two semesters prior to the semester in which they plan to do their student teaching. Applicants are expected to be in good academic standing and must provide evidence of competency with regard to professional dispositions, including the passage of a criminal background check. Students should consult regularly with their advisor about the specific requirements for licensure and student teaching in Illinois.

**Licensure requirements**

In order to qualify for Roosevelt University’s recommendation for the Illinois teaching license in Middle School Education, students must meet all academic major and content requirements that are in effect at the time of their application. Students must have also completed 21 semester hours of specific course content.

Students must consult with their education advisor to determine which content area courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, graduates must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Before issuing a license, the Illinois State Board of Education also requires satisfactory scores on the appropriate content exam and the edTPA.

**CONTENT REQUIREMENTS**

Students who would like to earn a license to teach Middle School Education must choose one of the following content areas: English, General Science, Mathematics, and Social Science. Each content area has a specific set of courses students must enroll in to meet the state standards to earn licensure. Please consult with the College of Education advisor for further information.

All courses must be passed with grades of C- or higher and have a minimum GPA of a 2.7 or higher.

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<tr>
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<tr>
<td>SPED 419</td>
<td>EXCEPTIONAL CHILDREN &amp; YOUTH</td>
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<tr>
<td>READ 463</td>
<td>TEACHING LANGUAGE AND LITERACY IN THE CONTENT AREAS</td>
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<tr>
<td>READ 468</td>
<td>FOUNDATIONS OF BILINGUAL AND ESL EDUCATION</td>
<td>3</td>
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<tr>
<td>SEED 401</td>
<td>FOUNDATIONS &amp; COMMUNITIES IN ADOLESCENT EDUCATION</td>
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<td>SEED 450</td>
<td>FIELD EXPERIENCE IN SECONDARY EDUCATION</td>
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<tr>
<td>SEED 455</td>
<td>INTGRTD CONTENT &amp; LRNG MID CHL</td>
<td>3</td>
</tr>
<tr>
<td>SEED 456</td>
<td>FIELD EXPERIENCES IN MIDDLE SCHOOL EDUCATION</td>
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**Methods of Teaching in Major Fields**

Select one of the following:

- SEED 422, 423, 426, or 427 METHODS OF TEACHING SCIENCE TO ADOLESCENTS
- SEED 422, 423, 426, or 427 METHODS OF TEACHING MATH TO ADOLESCENTS
- SEED 422, 423, 426, or 427 METHODS OF TEACHING SOCIAL STUDIES TO ADOLESCENTS
- SEED 422, 423, 426, or 427 METHODS OF TEACHING SECONDARY ENGLISH

**Student Teaching**

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<td>SEED 460</td>
<td>STUDENT TEACHING SEMINAR: SECONDARY EDUCATION</td>
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<tr>
<td>SEED 003</td>
<td>CAREER COACHING FOR EDUCATORS</td>
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<tr>
<td>EDUC 480</td>
<td>INQUIRY IN THE CLASSROOM</td>
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<thead>
<tr>
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<tr>
<td>READ 468</td>
<td>3 SPED 419</td>
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<tr>
<td>READ 463</td>
<td>3 SEED 455</td>
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**Year 1**

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<td>4 SEED 003</td>
<td>0 EDUC 480</td>
</tr>
<tr>
<td>SEED 422, 423, 426, or 427</td>
<td>3 SEED 460</td>
<td>6 EDUC 449</td>
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**Year 2**

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</thead>
<tbody>
<tr>
<td>10</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Credit Hours 41**
This program prepares licensed teachers in kindergarten through grade 12 and teachers in post-secondary settings for a variety of teaching and supervisory roles in language and literacy education. The program is ideal for licensed teachers who aspire to enhance their knowledge of reading and literacy instruction and transform schools and classrooms in pursuit of social justice.

Course work is based on professional standards set by the International Literacy Association, and the program is nationally recognized by IRA and approved by the state of Illinois. The requirements for the Illinois reading specialist endorsement are integrated into the program. The program also offers courses that prepare teachers to obtain the ESL or bilingual endorsement.

Core courses focus on the foundations of language and reading instruction, content area reading, the assessment and diagnosis of reading problems, and strategies and materials for teaching reading, writing, and language. In addition to completing the core courses, teachers develop their leadership potential through enrollment in one of the following concentrations: reading specialist or bilingual/ESL literacy.

A 200-hour clinical practicum, completed during the summer semester in Schaumburg, is required for the reading specialist concentration; upon successful completion of this concentration and the required state exam, teachers can add the reading specialist endorsement to their teaching license. Upon the successful completion of the bilingual/ESL literacy concentration, teachers can add a bilingual or ESL endorsement to their license.

**Admission**

A minimum undergraduate or graduate GPA of 2.7 is required for admission to the program, in addition to a valid teaching license.

Applicants to the reading specialist concentration must provide evidence that two years of teaching experience will be completed before exit from the program.

**Prerequisites**

Upon admission to the reading specialist concentration, a faculty advisor will conduct a transcript review to ensure that a special education survey course on exceptional children was taken as part of the completed teacher preparation program.

**Requirements**

To earn the MA in reading, students must complete 30 credit hours of course work and all clinical experiences. No grades below C may apply toward the degree, and no more than two courses with grades of C+ or C are allowed. The program faculty routinely assess students for evidence of professional dispositions.

In addition to the 12 credit hours of core courses listed below, students should choose one of the 18-credit-hour concentrations that follow (Bilingual/ESL Literacy or Reading Specialist):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
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<tr>
<td>READ 432</td>
<td>INTENSIVE ADVANCED STRATEGIES/MATERIALS FOR READING, WRITING, AND LANGUAGE</td>
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<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 436</td>
<td>FOUNDATIONS OF LANGUAGE AND LITERACY INSTRUCTION</td>
<td>3</td>
</tr>
<tr>
<td>READ 437</td>
<td>PRINCIPLES AND PRACTICES IN LANGUAGE AND LITERACY ASSESSMENT</td>
<td>3</td>
</tr>
<tr>
<td>READ 463</td>
<td>TEACHING LANGUAGE AND LITERACY IN THE CONTENT AREAS</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration**

Select one of the following concentrations: 18

- Bilingual/ESL Literacy
- Reading Specialist

Total Credit Hours 30

In order to qualify for Roosevelt University's recommendation for a K-12 reading specialist endorsement, all requirements in effect at the time of application must be met, including passing scores on the ILTS Basic Skills Test or TAP; the K-12 Assessment of Professional Teaching or the edTPA, and the Reading content exam. The Reading content exam should always be taken after all course requirements have been completed.

**Bilingual/ESL Literacy concentration**

The Bilingual/ESL Literacy concentration does not require teaching experience, but it does require a teaching license. All courses are delivered online.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 458</td>
<td>LINGUISTICS FOR ESL TEACHERS</td>
<td>3</td>
</tr>
<tr>
<td>READ 468</td>
<td>FOUNDATIONS OF BILINGUAL AND ESL EDUCATION (10-30 clinical hours)</td>
<td>3</td>
</tr>
<tr>
<td>READ 473</td>
<td>ASSESSMENT OF BILINGUAL STUDENTS (10-25 clinical hours)</td>
<td>3</td>
</tr>
<tr>
<td>READ 474</td>
<td>METHODS AND MATERIALS FOR TEACHING BILINGUAL STUDENTS (10-20 clinical hours)</td>
<td>3</td>
</tr>
<tr>
<td>READ 475</td>
<td>METHODS AND MATERIALS FOR TEACHING ESL (10-25 clinical hours)</td>
<td>3</td>
</tr>
<tr>
<td>READ 480</td>
<td>MTDS INQUIRY IN THE CLASSROOM</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

**Reading Specialist concentration**

The Reading Specialist concentration requires the reading specialist exam at the completion of the concentration and a minimum of two years of documented teaching experience. It is available online and at the Schaumburg campus.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 434</td>
<td>LITERATURE FOR CHILDREN AND ADOLESCENTS</td>
<td>3</td>
</tr>
<tr>
<td>READ 435</td>
<td>HOLISTIC APPROACHES TO TEACHING LITERACY TO STUDENTS WITH LEARNING DISABILITIES</td>
<td>3</td>
</tr>
<tr>
<td>READ 438</td>
<td>SUPERVISION OF PERSONNEL AND CURRICULUM DEVELOPMENT IN LANGUAGE AND LITERACY</td>
<td>3</td>
</tr>
<tr>
<td>READ 468</td>
<td>FOUNDATIONS OF BILINGUAL AND ESL EDUCATION</td>
<td>3</td>
</tr>
</tbody>
</table>
School Counseling, MA

The Counseling program is designed for students who aspire to transform schools and communities in the pursuit of social justice through individualized attention to the needs of children, adolescents, and adults. An undergraduate academic major in counseling is not required. Students may choose from degree programs in Clinical Mental Health Counseling, School Counseling, and College Counseling and Student Affairs.

The School Counseling program prepares students to become school counselors in public K-12 schools. Students may enter the program with or without a teaching certificate.

Admission

Students are admitted only for the fall term at the Chicago campus. For priority consideration, the deadline to apply is March 1. For regular consideration, the deadline is rolling until two weeks before the start of the Fall semester. Applications for all scholarships and assistantships are also due by the priority deadline of March 1.

Applicants must have a minimum grade point average of 3.0 on a 4.0 scale for the entirety of their undergraduate course work, a minimum of 120 credit hours of credit at the undergraduate level, a personal statement outlining goals and aspirations, and two letters of recommendation from individuals who can evaluate academic or work abilities. Applicants for the program in School Counseling must submit evidence of a passing score on the ACT or SAT score that meets the state’s criterion. Professional dispositions also must be demonstrated. Interviews are by invitation only and are required prior to admission.

Decisions will be based on prior academic performance, current academic performance, the personal statement, letters of recommendation, and an evaluation of professional skills and dispositions.

Requirements

To be awarded the MA in School Counseling, students must successfully complete 51-60 credit hours of study. To qualify for Roosevelt University’s recommendation for the Professional Educators License with a School Counseling endorsement, all state and program requirements in effect at the time of application must be met, including all clinical experience requirements and passing scores on the ILTS Test of Academic Proficiency and the ILTS School Counselor Test (181). All graduate students must maintain a 3.0 GPA in their graduate courses, and no grade below C is acceptable for certification or the MA degree. Only two grades of C are allowed toward the MA degree.

At the time of admission, faculty advisors review transcripts and evaluate all course work completed at other colleges or universities. Advising plans are developed, and any needs, deficiencies, or electives are noted. Each student must confer with his/her assigned advisor before enrolling in the program and during each advising period to ensure that all requirements are being successfully completed.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 401</td>
<td>PROFESSIONAL ORIENTATION AND ETHICAL PRACTICE IN COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>CHS 406</td>
<td>STATISTICS &amp; RESEARCH METHODS IN COUNSELING</td>
<td>3</td>
</tr>
<tr>
<td>CHS 411</td>
<td>SOCIAL &amp; CULTURAL FOUNDATIONS</td>
<td>3</td>
</tr>
<tr>
<td>CHS 413</td>
<td>FOUNDATIONS OF COUNSELING THEORY AND PRACTICE</td>
<td>3</td>
</tr>
<tr>
<td>CHS 416</td>
<td>HUMAN APPRAISAL</td>
<td>3</td>
</tr>
<tr>
<td>CHS 421</td>
<td>THEORIES OF GROUP DYNAMICS AND COUNSELING</td>
<td>4</td>
</tr>
<tr>
<td>CHS 457</td>
<td>TOPICS/ISSUES IN HUMAN DEVELOPMENT</td>
<td>3</td>
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Practicum and Internship

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>CHS 460</td>
<td>PRE-PRACTICUM I: BASIC COUNSELING SKILLS AND TECHNIQUES</td>
<td>3</td>
</tr>
<tr>
<td>CHS 462</td>
<td>PRE-PRACTICUM II: ADVANCED COUNSELING SKILLS AND TECHNIQUES</td>
<td>3</td>
</tr>
<tr>
<td>CHS 463</td>
<td>COUNSELING PRACTICUM</td>
<td>3</td>
</tr>
<tr>
<td>CHS 498</td>
<td>INTERNSHIP: SCHOOL COUNSEL</td>
<td>6</td>
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</table>
Second Language Special Education, MA

This 32-credit-hour master's program is designed to prepare licensed K through 12 teachers to enhance the learning of diverse learners and English language learners. Required courses are aligned with the State of Illinois endorsements in special education (LBSI) and bilingual/ESL education. The LBSI and bilingual/ESL endorsements can be added to a State of Illinois teaching license upon the successful completion of the program.

Completion of the program qualifies graduates to teach children who have all areas of special education needs, or who may be under consideration for special needs services, with the exception of sensory impairments and communication disorders. Graduates also can teach children who speak English as a second language. Graduates also can teach in bilingual classroom settings, once they have passed a language fluency exam.

Admission

Applicants for admission must possess an undergraduate degree and an undergraduate or graduate grade point average of at least 2.7 on a 4.0 scale. They also must hold a valid teaching certificate or license.

Requirements

To earn the MA in Second Language Special Education, students must complete 32 credit hours of course work with a minimum grade-point average of 3.0. No grades below C may apply toward the degree, and no more than two courses with grades of C or C+ are allowed.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLED 458</td>
<td>LINGUISTICS FOR ESL TEACHERS</td>
<td>3</td>
</tr>
<tr>
<td>DLED 468</td>
<td>FOUN. OF BILINGUAL &amp; ESL EDUC</td>
<td>3</td>
</tr>
<tr>
<td>DLED 473</td>
<td>ASSESS OF BILINGUAL STUDENTS</td>
<td>3</td>
</tr>
<tr>
<td>DLED 474</td>
<td>METH/MATERIALS TEACH BILINGUAL</td>
<td>3</td>
</tr>
<tr>
<td>DLED 475</td>
<td>MTHDS &amp; MTRLS TCHG ESL</td>
<td>3</td>
</tr>
<tr>
<td>SPED 440</td>
<td>ASSESSMENT IN SPECIAL EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 442</td>
<td>CHARACTERISTICS AND METHODS</td>
<td>4</td>
</tr>
<tr>
<td>or SPED 445</td>
<td>CHARACTERISTICS AND METHODS</td>
<td>4</td>
</tr>
<tr>
<td>of TEACHING STUDENTS WITH DISABILITIES: FOCUS ON COGNITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPED 443</td>
<td>CHARACTERISTICS AND METHODS</td>
<td>4</td>
</tr>
<tr>
<td>or SPED 446</td>
<td>CHARACTERISTICS AND METHODS</td>
<td>4</td>
</tr>
<tr>
<td>of TEACHING STUDENTS WITH DISABILITIES: FOCUS ON PHYSICAL HEALTH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPED 450</td>
<td>TECHNOLOGY FOR SPECIAL EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 480</td>
<td>INQUIRY IN THE CLASSROOM</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 32
Secondary Education, MA

The secondary education program is designed for students who wish to become teachers in grades 9-12 in Biology, Business, Chemistry, English, History, and Mathematics. An undergraduate degree in one of these areas is recommended, but the program helps students to obtain the necessary content knowledge coursework required if the degree is in a different area.

The requirements for the Illinois teaching license for grades 9 through 12 are integrated with the program. Additional courses must be taken to earn an endorsement to teach at the middle school level.

Admission

Applicants to the academic program must have a minimum grade point average of 2.7 on a 4.0 scale for the entirety of their undergraduate course work and a minimum of 120 semester hours of credit at the undergraduate level. Students can earn admission without an undergraduate major in biology, chemistry, business, English, history, or mathematics, but must complete the equivalent of an undergraduate major in one of these areas in order to earn licensure and the MA degree in secondary education.

Students are formally admitted to the teacher licensure program when they earn a passing score on the required ILTS content exam, provided that they have a minimum 3.0 GPA in all graduate courses and have demonstrated professional dispositions in the educations courses required prior to the last year of study. Formal admission is required to enroll in courses offered in the last year of the program.

Students who do not earn a passing score on the required ILTS content exam by the deadline of May 1 will not be eligible to enroll in the courses required during the last year of the program. In this situation, students will be advised to complete or re-take courses in the content area before attempting again to pass the ILTS content exam. Should a passing score be earned at a later date, students will be able to complete the last year of the program through an extra year of graduate study.

Requirements

To be awarded the MA in secondary education, students must successfully complete a 33 semester hour program of study.

To earn the teaching license, students must complete the coursework required for the MA degree, as well as an approved student teaching experience, a minimum of 80-100 clock hours of pre-student teaching field experiences, 32 semester hours in an academic major approved programs, and any additional course work or tests needed to satisfy Illinois State Board of Education requirements.

All graduate students must maintain a 3/0 GPA in their graduate courses, and no grade below C- is acceptable for licensure or the MA degree.

At the time of admission, advisors review transcripts and evaluate all course work completed at other colleges or universities. Advising plans are developed and any deficiencies related to licensure requirements are noted. If additional course work is needed, the student’s advisor will indicate the course work needed to gain major equivalence for licensure. Each student must confer with his/her assigned advisor before enrolling in the program and during each advising period to ensure that all requirements are being successfully completed. The following courses are required to earn licensure and complete the MA in secondary education:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 468</td>
<td>FOUNDATIONS OF BILINGUAL AND ESL EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 402</td>
<td>CHILD &amp; ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION</td>
<td>3</td>
</tr>
<tr>
<td>READ 463</td>
<td>TEACHING LANGUAGE AND LITERACY IN THE CONTENT AREAS</td>
<td>3</td>
</tr>
<tr>
<td>SEED 401</td>
<td>FOUNDATIONS &amp; COMMUNITIES IN ADOLESCENT EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>SEED 403</td>
<td>INSTRUCTIONAL COACHING 1</td>
<td>3</td>
</tr>
<tr>
<td>SEED 450</td>
<td>FIELD EXPERIENCE IN SECONDARY EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>SEED 453</td>
<td>INSTRUCTIONAL COACHING 2</td>
<td>3</td>
</tr>
<tr>
<td>SPED 419</td>
<td>EXCEPTIONAL CHILDREN &amp; YOUTH</td>
<td>3</td>
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Area of Certification

Select one of the following courses in methods with an advisor:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SEED 421</td>
<td>METHODS OF TEACHING SECONDARY BUSINESS EDUCATION</td>
</tr>
<tr>
<td>SEED 422</td>
<td>METHODS OF TEACHING SCIENCE TO ADOLESCENTS</td>
</tr>
<tr>
<td>SEED 423</td>
<td>METHODS OF TEACHING MATH TO ADOLESCENTS</td>
</tr>
<tr>
<td>SEED 426</td>
<td>METHODS OF TEACHING SOCIAL STUDIES TO ADOLESCENTS</td>
</tr>
<tr>
<td>SEED 427</td>
<td>METHODS OF TEACHING SECONDARY ENGLISH</td>
</tr>
</tbody>
</table>

Student Teaching

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEED 460</td>
<td>STUDENT TEACHING SEMINAR: SECONDARY EDUCATION</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credit Hours 33

Field and clinical experiences

Field experiences in secondary education take place in Instructional Coaching 1 & 2 and involve urban and suburban placements that must include diverse learners. Experiences take place in high school settings and involve teacher candidates in individual, small group, and whole-class instructions, observations, and participation in community-based activities, 80-100 hours of field experiences are required prior to student teaching.

Placement in student teaching sites is planned with consideration of each student’s needs and interests. A College of Education faculty member as well as a resident, experienced teacher supervises each student. Formal application is required approximately two semesters in advance of student teaching.

To enroll in the final year of study (which includes both field experiences and student teaching), a student must have passed the appropriate ILTS Content Test. In addition, all students must have a cumulative GPA of 3.0 in their graduate courses and a 3.0 GPA in their academic content area (with the exception of Math and Science, where a 2.7 minimum GPA is acceptable in the content area). All courses required for teacher licensure must be completed with grades of C- or higher.
The edTPA test will be taken during student teaching. This test is required for licensure. No other course may be taken, nor may a student be employed during student teaching.

**CONTENT REQUIREMENTS**

Students who would like to earn a license to teach Secondary Education must choose one of the following content areas for the endorsement; Biology, Chemistry, English, History, Math, or Business. Each content area has a specific set of courses students must enroll in to meet the state standards to earn licensure. Please consult with the College of Education advisor for further information.

**Licensure requirements**

In order to qualify for Roosevelt University’s recommendation for the Illinois teaching license and Secondary Education endorsement, students must meet all academic major and general education requirements that are in effect at the time of their application. Students must have also completed 32 semester hours of specific course content.

Students must consult with their education advisor to determine which academic major and general education courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, graduates must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Before issuing a license, the Illinois State Board of Education also requires satisfactory scores on the Educator Teacher Performance Assessment Portfolio (edTPA).

**Requirements**

All methods courses must be passed with grades of C- or higher.

Students must maintain an overall GPA of at least a 2.7 while enrolled in the education program. Should a student fall below a 2.7 GPA, the College of Education program faculty will review the students eligibility to continue moving forward in the licensure program.

Student’s one semester prior to their student teaching must submit proof of passing the appropriate Special Education General Curriculum and LBS1 content exams that meet the state’s criterion.

Student Teaching must be passed with a minimum C or higher.

**Special Education, MA with LBS1 Endorsement**

The MA program in Special Education with LBS1 endorsement is intended for students who wish to develop a rich and broad understanding of how to instruct diverse learners with special needs. However, the program also provides currently licensed teachers who hold an early childhood, elementary, or secondary endorsement with the courses necessary to receive state approval to teach students with special needs at the level of their existing endorsement.

If you hold a current Professional Education License in Illinois and would like more information about earning the LBS1 endorsement please refer to our LBS1 endorsement page for a list of requirements:

https://nextcatalog.roosevelt.edu/graduate/education/certificate/special-education-lbs1-endorsement-certificate/ (p. 296)

Roosevelt’s program in special education is a K through age 21 program leading to an Illinois teaching license with an LBS1 endorsement. Completion of the program qualifies graduates to teach children with all areas of special education needs, with the exception of sensory impairments and communication disorders. The LBS1 classification includes the former categories of learning disabilities, cognitive impairments, severe emotional and behavior disorders, other health impairments, traumatic brain injury, autism, and physical disabilities.

With careful planning, students can add one or more of the following endorsements to their teaching license: Elementary Education, Bilingual/ESL, Early Childhood Special Education approval, Middle School, and Reading Teacher endorsements.

**Admission**

Admission to the program requires a BA degree in any academic area with a grade point average of 2.7 on a 4.0 scale, at least 120 credit hours of undergraduate courses from an accredited college or university.

At the time of admission, an advisor reviews transcripts and evaluates all course work completed at other colleges or universities. Advising plans are developed and any deficiencies related to licensure requirements are noted. If additional course work is needed, the student’s advisor will indicate the course work needed on an advising plan. Students must confer with their assigned advisors before enrolling in the program and during each advising period to ensure that all requirements are being successfully completed.

**Year 1**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 402</td>
<td>3</td>
<td>SEED 401</td>
<td>4</td>
</tr>
<tr>
<td>READ 463</td>
<td>3</td>
<td>SPED 419</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>7</td>
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</table>

**Year 2**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEED 450</td>
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<td>SEED 003</td>
<td>0</td>
<td>EDUC 480</td>
</tr>
<tr>
<td>SEED 422, 421, 423, 426, or 427</td>
<td>3</td>
<td>SEED 460</td>
<td>6</td>
<td>EDUC 449, READ 468, or CHS 411</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 32
students who complete the Special Education program earn a State Licensure Requirements Illinois. about the specific requirements for licensure and student teaching in background check. Students should consult regularly with their advisor with regard to professional dispositions, including passage of a criminal in good academic standing and must provide evidence of competency they plan to do their student teaching. Applicants are expected to be submit a formal application two semesters prior to the semester in which in sites with diverse student populations are required. Students must submit a formal application two semesters prior to the semester in which they plan to do their student teaching. Applicants are expected to be in good academic standing and must provide evidence of competency with regard to professional dispositions, including passage of a criminal background check. Students should consult regularly with their advisor about the specific requirements for licensure and student teaching in Illinois.

**Licensure Requirements**

Students who complete the Special Education program earn a State of Illinois Professional Education License with an Special Education endorsement. With careful planning, students can add one or more of the following endorsements to their teaching license: Elementary Education, Bilingual/ESL, Early Childhood Special Education approval, Middle School, and Reading Teacher.

In order to qualify for Roosevelt University’s recommendation for the Illinois teaching license in Special Education, students must meet all general education requirements that are in effect at the time of their application.

Students must consult with their education advisor to determine which general education courses are acceptable toward fulfillment of licensure requirements. Because requirements for licensure, graduation, and continuing enrollment are subject to change, graduates must consult frequently with their education advisors. The advising plan developed at program admission provides the most up-to-date and authoritative information with respect to all program and licensure requirements.

Students, one semester prior to their student teaching must submit proof of passing the Special Education General Curriculum and LBS1 content exam that meets the state’s criterion and have a minimum 2.7 GPA in all graduate courses. All courses must be passed with grades of C- or higher and a minimum C or higher in Student Teaching. Please contact the College of Education for more information regarding the Elementary Education content exam criteria.

Before issuing a license, the Illinois State Board of Education also requires satisfactory scores on the Educator Teacher Performance Assessment Portfolio (edTPA).

**Year 1**

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Summer Credit Hours</th>
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<tbody>
<tr>
<td>EDUC 402 3</td>
<td>SPED 428</td>
<td>1 SPED 419</td>
<td>3</td>
</tr>
<tr>
<td>SPED 400 3</td>
<td>READ 420</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>SPED 401 3</td>
<td>SPED 443</td>
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<td>4</td>
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<tr>
<td>SPED 403 1</td>
<td>SPED 445</td>
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<td>SPED 442 4</td>
<td>SPED 441</td>
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<td>14</td>
<td>15</td>
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**Year 2**

<table>
<thead>
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<th>Spring Credit Hours</th>
<th>Summer Credit Hours</th>
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<tbody>
<tr>
<td>SPED 448 1</td>
<td>SPED 461</td>
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<td>SPED 446 4</td>
<td>SPED 466</td>
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<td>4</td>
</tr>
<tr>
<td>SPED 450 3</td>
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<td>3</td>
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<td>SPED 440 3</td>
<td>EDUC 003</td>
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<td>11</td>
<td>9</td>
<td>9</td>
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**Student Affairs Leadership, MA**

This online program is designed to provide a foundational understanding of student affairs as a field of practice and inquiry in higher education. Distinct features of the program are emphases on diversity, inclusion, social justice, and college student counseling and development. Students have opportunities to apply acquired knowledge and skills within a one semester internship (3 credit hours) and to learn from graduate students in other programs and colleges.
The program prepares students for careers in higher education, including work in residence life, admissions, new student orientation, financial aid, counseling centers, advising centers, career planning and placement, developmental learning services, advocacy and support programs (e.g., for students of color, lesbian, bisexual, gay, and transgender students, veterans, women, international students, adults) and services for students with disabilities.

Admission

Applicants for admission must possess an undergraduate degree; a grade point average of at least 2.7 on a 4.0 scale (3.0 GPA is preferred); demonstrable communication and leadership skills; and core values consistent with the social justice mission of Roosevelt University.

To earn the MA degree, students must complete 30 credit hours of course work with a minimum grade point average of 3.0. No grades below C may apply toward the degree.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHS 411</td>
<td>SOCIAL &amp; CULTURAL FOUNDATIONS</td>
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<tr>
<td>ELOC 412</td>
<td>SCHOOL, FAMILY, AND COMMUNITY RELATIONS</td>
<td></td>
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<tr>
<td>ELOC 436</td>
<td>THE DYNAMICS OF MAINTAINING AND IMPROVING CULTURE</td>
<td>3</td>
</tr>
<tr>
<td>PADM 423</td>
<td>PROGRAM EVALUATION FOR NONPROFIT ORGANIZATIONS</td>
<td>3</td>
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<tr>
<td><strong>Concentration: College Counseling and Student Affairs</strong></td>
<td>18</td>
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<tr>
<td>CHS 470</td>
<td>INTRO TO CC &amp; SA</td>
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<tr>
<td>CHS 471</td>
<td>CLG STDT DEV:THEORIES &amp; TOP</td>
<td></td>
</tr>
<tr>
<td>CHS 472</td>
<td>STDT SVCS:PRGMS PLCIES, PRACT</td>
<td></td>
</tr>
<tr>
<td>CHS 473</td>
<td>ENRLMNT MGMT IN AGE OF DISRUPT</td>
<td></td>
</tr>
<tr>
<td>CHS 474</td>
<td>HGHR ED LEGAL &amp; FIN ISSUES</td>
<td></td>
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<tr>
<td>CHS 575</td>
<td>INTERNSHIP IN HIGHER ED</td>
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<td><strong>Total Credit Hours</strong></td>
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Year 1

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<th>Credit Summer Hours</th>
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</thead>
<tbody>
<tr>
<td>CHS 470</td>
<td>3 CHS 411</td>
<td>3 CHS 471</td>
<td>3</td>
</tr>
<tr>
<td>PADM 423</td>
<td>3 CHS 472</td>
<td>3 ELOC 412</td>
<td>3</td>
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<tr>
<td><strong>Year 2</strong></td>
<td><strong>6</strong></td>
<td><strong>6</strong></td>
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</table>

Teaching and Learning, MA

This program is designed for practicing teachers who wish to further their knowledge and understanding of learners, instruction, coaching, and school leadership. Aligned with the Danielson Framework for Teaching and National Board for Professional Teaching Standards, this 30-credit-hour program renews and strengthens teachers’ commitment and skills and prepares them to become mentors and instructional leaders.

The core content includes characteristics of diverse learners, effective assessment, and advocacy strategies, and designing curriculum and instruction to meet the needs of all learners.

In addition to completing core courses, teachers develop their leadership potential through enrollment in one of the following concentrations: bilingual/ESL education, special education, early childhood special education, reading, spoken word education, and focused program. An endorsement can be added to a State of Illinois teaching license upon the successful completion of the bilingual/ESL education, special education, early childhood special education, and reading concentrations.

Admission

Applicants for admission must possess an undergraduate degree and an undergraduate or graduate grade point average of at least 2.7 on a 4.0 scale. They also must hold a valid teaching certificate or license.

Requirements

To earn the MA in Teaching and Learning, students must complete 30 credit hours of course work with a minimum grade point average of 3.0. No grades below C may apply toward the degree, and no more than two courses with grades of C or C+ are allowed. In addition to the 12 credit hours of online core courses, students should choose from one of the following concentrations (18 credit hours each).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLRN 433</td>
<td>ASSESSING STUDENT LEARNING</td>
<td>3</td>
</tr>
<tr>
<td>TLRN 435</td>
<td>LEADERSHIP IN PROFESSIONAL DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>TLRN 436</td>
<td>RETHINKING THE CURRICULUM</td>
<td>3</td>
</tr>
<tr>
<td>TLRN 438</td>
<td>ADVANCED FRAMEWORKS FOR TEACHING DIVERSE LEARNERS</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration: Bilingual/ESL Education Concentration (Online)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 458</td>
<td>LINGUISTICS FOR ESL TEACHERS</td>
<td>3</td>
</tr>
<tr>
<td>READ 468</td>
<td>FOUNDATIONS OF BILINGUAL AND ESL EDUCATION (10-30 clinical hours)</td>
<td>3</td>
</tr>
<tr>
<td>READ 473</td>
<td>ASSESSMENT OF BILINGUAL STUDENTS (10-25 clinical hours)</td>
<td>3</td>
</tr>
<tr>
<td>READ 474</td>
<td>METHODS AND MATERIALS FOR TEACHING BILINGUAL STUDENTS (10-20 clinical hours)</td>
<td>3</td>
</tr>
<tr>
<td>READ 475</td>
<td>METHODS AND MATERIALS FOR TEACHING ESL (10-20 clinical hours)</td>
<td>3</td>
</tr>
</tbody>
</table>
### Early Childhood Special Education Concentration (Chicago)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ECHD 405</td>
<td>ASSESSMENT IN EARLY CHILDHOOD EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>ECHD 410</td>
<td>CHILD, FAMILY, COMMUNITY AND PHILOSOPHY OF EARLY CHILDHOOD EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>ECHD 434</td>
<td>LANGUAGE DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>ECHD 482</td>
<td>EARLY CHILDHOOD SPECIAL EDUCATION METHODS</td>
<td>3</td>
</tr>
<tr>
<td>SPED xxx</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>TLRN 480</td>
<td>INQUIRY IN THE CLASSROOM</td>
<td>3</td>
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Total Credit Hours 18

### Reading (Online and Schaumburg Campus)

<table>
<thead>
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<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>READ 432</td>
<td>INTENSIVE ADVANCED STRATEGIES/ MATERIALS FOR READING, WRITING, AND LANGUAGE</td>
<td>3</td>
</tr>
<tr>
<td>READ 435</td>
<td>HOLISTIC APPROACHES TO TEACHING LITERACY TO STUDENTS WITH LEARNING DISABILITIES</td>
<td>3</td>
</tr>
<tr>
<td>READ 458</td>
<td>LINGUISTICS FOR ESL TEACHERS</td>
<td>3</td>
</tr>
<tr>
<td>READ 436</td>
<td>FOUNDATIONS OF LANGUAGE AND LITERACY INSTRUCTION</td>
<td>3</td>
</tr>
<tr>
<td>READ 437</td>
<td>PRINCIPLES AND PRACTICES IN LANGUAGE AND LITERACY ASSESSMENT</td>
<td>3</td>
</tr>
<tr>
<td>READ 463</td>
<td>TEACHING LANGUAGE AND LITERACY IN THE CONTENT AREAS</td>
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Total Credit Hours 18

### Special Education Concentration (Chicago and Online)

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<tbody>
<tr>
<td>SPED 440</td>
<td>ASSESSMENT IN SPECIAL EDUCATION</td>
<td>3</td>
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<tr>
<td>SPED 442</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON COGNITION</td>
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<tr>
<td>SPED 443</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON BEHAVIOR</td>
<td>4</td>
</tr>
<tr>
<td>SPED 445</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON PHYSICAL HEALTH</td>
<td>4</td>
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<tr>
<td>or SPED 446</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON LEARNING</td>
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<tr>
<td>SPED 480</td>
<td>INQUIRY IN THE CLASSROOM (Online, Fall)</td>
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Total Credit Hours 18

### Year 1

<table>
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<tr>
<th>Fall Credit</th>
<th>Spring Credit</th>
<th>Summer Credit</th>
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<tbody>
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<td>ECHD 434 3</td>
<td>ECHD 405 3</td>
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<tr>
<td>Special Education Elective 3 ECHD 410 3</td>
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<tr>
<td>ECHD 482 3</td>
<td></td>
<td></td>
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<tr>
<td>TLRN 433 3</td>
<td>TLRN 435 3</td>
<td>TLRN 480 3</td>
</tr>
<tr>
<td>TLRN 438 3</td>
<td>TLRN 436 3</td>
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Total Credit Hours 30

### Year 2

<table>
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<tr>
<th>Fall Credit</th>
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<th>Summer Credit</th>
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<td>READ 473 3</td>
<td>READ 458 3</td>
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<tr>
<td>READ 475 3</td>
<td>READ 474 3</td>
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<tr>
<td>TLRN 433 3</td>
<td>TLRN 435 3</td>
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</tr>
<tr>
<td>TLRN 438 3</td>
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Total Credit Hours 30

### Year 1

<table>
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<th>Summer Credit</th>
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<tbody>
<tr>
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<tr>
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<td>READ 437 3</td>
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<td>TLRN 433 3</td>
<td>TLRN 435 3</td>
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</tr>
<tr>
<td>TLRN 438 3</td>
<td>TLRN 436 3</td>
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Total Credit Hours 30

### Year 2

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<tr>
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<th>Spring Credit</th>
<th>Summer Credit</th>
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<td>SPED 480 3</td>
</tr>
<tr>
<td>SPED 442 4</td>
<td>SPED 445 or 446</td>
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Total Credit Hours 30

### Year 1

<table>
<thead>
<tr>
<th>Fall Credit</th>
<th>Spring Credit</th>
<th>Summer Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 440 3</td>
<td>SPED 443 4</td>
<td>SPED 480 3</td>
</tr>
<tr>
<td>SPED 442 4</td>
<td>SPED 445 or 446</td>
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</tr>
</tbody>
</table>

Total Credit Hours 30
Certificates

- Bilingual/ESL Education, Certificate (p. 295)
- College Counseling and Student Affairs, Certificate (p. 295)
- Dual Language Principal Leadership, Certificate (p. 295)
- Special Education, LBS1 Endorsement, Certificate (p. 296)

Bilingual/ESL Education, Certificate

This certificate program is intended for licensed teachers or candidates for teacher licensure who wish to receive state approval to teach bilingual and English as a second language students at their approved grade level. The certificate prepares teachers and teacher candidates to instruct linguistically diverse learners and leads to the addition of a bilingual or ESL endorsement on an Illinois Professional Educator License.

ADMISSION

Graduate candidates for teacher licensure can enroll in this certificate program at any time provided that they have met the Illinois requirements for admission into a teacher licensure program. Please see a professional advisor in the College of Education for more information.

Licensed teachers can enroll in this certificate program at any time by providing evidence of a teaching license. If desired, the certificate courses can be applied toward the requirements for a graduate degree in Teaching and Learning or Second Language Special Education. Please see a professional advisor in the College of Education for more information.

All five of the courses below are required to earn the certificate and a state endorsement. To earn a state endorsement, students also must complete 100 clinical hours in bilingual or ESL classroom settings. In addition, students seeking the bilingual endorsement must pass a state language examination. The ESL endorsement does not require a language test.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 458</td>
<td>LINGUISTICS FOR ESL TEACHERS</td>
<td>3</td>
</tr>
<tr>
<td>READ 468</td>
<td>FOUNDATIONS OF BILINGUAL AND ESL</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EDUCATION</td>
<td></td>
</tr>
<tr>
<td>READ 473</td>
<td>ASSESSMENT OF BILINGUAL STUDENTS</td>
<td>3</td>
</tr>
<tr>
<td>READ 474</td>
<td>METHODS AND MATERIALS FOR</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TEACHING BILINGUAL STUDENTS</td>
<td></td>
</tr>
<tr>
<td>READ 475</td>
<td>METHODS AND MATERIALS FOR</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TEACHING ESL</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

College Counseling and Student Affairs, Certificate

This certificate program is designed to prepare students for career opportunities and advancement in higher education with particular emphasis on positions that serve university and community college students on urban campuses. Special attention is given to working with diverse student populations including returning, minority, and disabled students. The certificate program is designed for individuals who desire training for entry-level positions in advising and student affairs or those who have already experienced professionals in student affairs and wish to increase their knowledge and skills.

ADMISSION

Applicants for admission to the program must have a cumulative undergraduate or graduate GPA of 3.0 on a 4.0 scale on official transcripts documenting the undergraduate degree and any graduate coursework or degree. A personal essay describing experiences and background in college counseling and/or student affairs is also required.

All graduate students must maintain a 3.0 GPA in their graduate courses, and no grade below C is acceptable.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHS 470</td>
<td>INTRO TO CC &amp; SA</td>
<td>3</td>
</tr>
<tr>
<td>CHS 471</td>
<td>CLG STDT DEV:THEORIES &amp; TOP</td>
<td>3</td>
</tr>
<tr>
<td>CHS 472</td>
<td>STDT SVCS:PRGMS PLCIES, PRACT</td>
<td>3</td>
</tr>
<tr>
<td>CHS 473</td>
<td>ENRLMNT MGMT IN AGE OF DISRUPT</td>
<td>3</td>
</tr>
<tr>
<td>CHS 474</td>
<td>HGHR ED LEGAL &amp; FIN ISSUES</td>
<td>3</td>
</tr>
<tr>
<td>CHS 463</td>
<td>COUNSELING PRACTICUM</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Dual Language Principal Leadership, Certificate

This certificate program is intended for licensed teachers who have completed Roosevelt’s MA degree in Dual Language Teacher Leadership and who wish to add a principal endorsement to their Illinois Professional Educator Licenses. The required courses prepare dual language teacher leaders to manage and lead PreK – 12 schools as assistant principals or principals.

ADMISSION

Students enrolled in Roosevelt’s MA degree in Dual Language Teacher Leadership can apply for admission after the completion of twenty-one (21) credit hours of Dual Language Teacher Leadership courses. Candidates for admission must earn approval from the steering committee for Roosevelt’s principal preparation program. A minimum 3.0 GPA in Dual Language Teacher Leadership courses is required. In addition, candidates must present evidence of a passing score on the ILTS Test of Basic Skills or TAP (Test of Academic Proficiency), successfully present a portfolio of artifacts documenting the leadership achievements and potential of the candidate, sit for an interview, and successfully complete a written response to scenarios.

Because the requirements of the admission portfolio are extensive and intensive, it is not unusual for students to apply for admission after the completion of the MA degree. Applicants are encouraged to...
communicate early and often with university faculty and a professional advisor in the College of Education before applying for admission.

Successful completion of the following courses and all other state requirements (e.g., content exam, teacher evaluation training) will lead to the Principal Endorsement on an Illinois Professional Educator license.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ILED 451</td>
<td>SCHOOL MANAGEMENT &amp; BUDGET</td>
<td>3</td>
</tr>
<tr>
<td>ILED 453</td>
<td>LEGAL ISSUES IN PRE-K TO 12 EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>ILED 463</td>
<td>PRINCIPAL INTERNSHIP I</td>
<td>3</td>
</tr>
<tr>
<td>ILED 464</td>
<td>PRINCIPAL INTERNSHIP II</td>
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</tr>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

**Special Education, LBS1 Endorsement, Certificate**

This certificate program is intended for licensed teachers or candidates for teacher licensure who wish to receive state approval to teach students with special needs at their approved grade level. The certificate prepares teachers and teacher candidates to instruct diverse learners with a variety of exceptional needs, and leads to the addition of an LBS 1 endorsement on an Illinois Professional Educator License.

**ADMISSION**

Graduate candidates for teacher licensure can enroll in this certificate program at any time provided that they have met the Illinois requirements for admission into a teacher licensure program. Please see a professional advisor in the College of Education for more information.

Licensed teachers can enroll in this certificate program at any time by providing evidence of a teaching license. If desired, the certificate courses can be applied toward the requirements for a graduate degree Teaching and Learning or Second Language Special Education. Please see a professional advisor in the College of Education for more information.

The state requirements for a special education endorsement (LBS1) on an existing license include four courses and a total of 14 credit hours. The two courses below are required. The first course will be waived for licensed teachers if it has already been taken as part of the prior licensure program.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 419</td>
<td>EXCEPTIONAL CHILDREN &amp; YOUTH</td>
<td>3</td>
</tr>
<tr>
<td>SPED 440</td>
<td>ASSESSMENT IN SPECIAL EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>SPED 442</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON COGNITION</td>
<td>4</td>
</tr>
<tr>
<td>or SPED 445</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON PHYSICAL HEALTH</td>
<td></td>
</tr>
<tr>
<td>SPED 443</td>
<td>CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON BEHAVIOR</td>
<td>4</td>
</tr>
</tbody>
</table>
COLLEGE OF PHARMACY

The doctor of pharmacy (PharmD) program at Roosevelt is an intensive, accelerated program designed for students willing to commit to a rigorous course of study and who are dedicated to promoting social justice through healthcare.

Established in 2011 as the first 3-year PharmD program in the Midwest, we are known for small class sizes and the personal attention that our faculty offer to students. Our graduates have attained positions in competitive post-graduate residencies and are working in a wide array of settings, including community pharmacies, home infusion pharmacies, and as clinical consultants in hospitals.

Some benefits you will find at the College of Pharmacy:

- Immunization training and certification during your first term so you can help provide flu shots to patients the Fall of your first year
- Faculty who are dedicated to student growth and success and who know our students by name
- Clinical experiences early and throughout the program with clinical faculty at top medical facilities in Chicago
- Opportunities to conduct research side-by-side with our faculty in the lab and in clinical practice
- Leadership opportunities through student professional pharmacy organizations
- Community service opportunities throughout the program

Roosevelt University College of Pharmacy prepares students to be competent, committed and compassionate healthcare professionals. We know those qualities are key to developing the best pharmacists who will advance pharmacy practice and improve public health by serving their respective communities through our core values.

College of Pharmacy Policies

Click here for Information regarding the College of Pharmacy (https://www.roosevelt.edu/colleges/pharmacy/).

Click here for the Roosevelt University Student Handbook. See the College of Pharmacy Student Handbook (https://www.roosevelt.edu/colleges/pharmacy/current-students/) for policies specific to the college.

Pharmacy, PharmD

The Roosevelt University College of Pharmacy embraces a patient-centered approach to learning that will produce graduates who are competent, committed, and compassionate. Roosevelt University pharmacists will be prepared to meet the universal vision of pharmacy practice, where they will be the health care professionals responsible for overall medication management to ensure optimal patient therapy outcomes. In support of the University’s vision to create socially conscious citizens, the College of Pharmacy is committed to providing outstanding pharmacy education and developing pharmacy leaders who will advance pharmacy practice and improve public health by serving their respective communities through our core values.

Accreditation

COLLEGE OF PHARMACY ACCREDITATION

Roosevelt University College of Pharmacy’s Doctor of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education (https://www.acpe-accredit.org/), 135 South LaSalle Street, Suite 4100, Chicago, IL 60503, 312/664-3575; FAX 312/664-4652.

On June 20, 2011, the Higher Learning Commission, a Commission of the North Central Association, voted to extend Roosevelt University’s accreditation to include the Doctor of Pharmacy program at the Schaumburg campus.

UNIVERSITY ACCREDITATION

Roosevelt University is accredited by the Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools (NCA). The HLC is an independent corporation and one of two commission members of the NCA, which was founded in 1895. Serving more than 1,000 institutions, the HLC is the largest of six regional accrediting associations in the United States. Regional accreditors like the HLC evaluate an institution’s effectiveness in fulfilling its educational mission using a set of quality standards also known as criteria for accreditation. Roosevelt’s last comprehensive accreditation occurred in 2015 when the University’s accreditation was reaffirmed for an additional 10 years. The 2015 Reaffirmation Review stated, “Roosevelt provides a high quality educational experience that directly supports its mission.”

Academic Performance

ACADEMIC STANDARDS AND PROGRESSION POLICIES

The Academic Standards and Progression Policies can be found in the College of Pharmacy Student Handbook. (https://www.roosevelt.edu/colleges/pharmacy/current-students/)

GRADUATION REQUIREMENTS

Students must complete the pharmacy curriculum in accordance with progression guidelines to be eligible for graduation. Students are eligible to graduate upon the recommendation of the Promotion and Graduation Committee when all of the following criteria have been met:

1. Students must complete the Doctor of Pharmacy program within five years from matriculation.
2. Students must successfully complete the courses constituting the PharmD curriculum, as approved by the College of Pharmacy faculty.
3. Students must successfully complete 9 hours of didactic course electives.
4. Students must successfully complete 320 hours of Introductory Pharmacy Practice Experiences and 1440 hours of Advanced Pharmacy Practice Experiences, including four required rotations and 2 elective rotations.
5. Students must be in academic good standing:
   - Students must have a cumulative GPA of 2.0 or above.
   - Students cannot have any “F” grades in courses applied toward the PharmD degree.
   - Students cannot have any “no credit” grades in courses applied toward the PharmD degree.

Admission

The PharmD Program at Roosevelt University is a rigorous, patient-centered educational experience designed to prepare caring, compassionate and committed pharmacists to work in a variety of health care settings. Prospective applicants preparing for admission to our PharmD Program should visit Roosevelt University’s pharmacy
school website requirement (https://www.roosevelt.edu/colleges/pharmacy/admission/) page.

Requirements

The pharmacy curriculum is divided into program blocks. Students who matriculate together will take these blocks of courses as a group. The courses in each block are designed to offer a comprehensive pharmacy education that prepares the student for the subsequent block of courses. The only courses that students will not take as a group are the electives. Students are required to take a minimum of 9 credit hours of elective courses. During their final three academic terms, PharmD candidates complete six Advanced Pharmacy Practice Experiences (APPE), for a total of 48 credit hours (16 credit hours per term). Course registration and withdrawal policies can be found in the Student Handbook (http://catalog.roosevelt.edu/graduate/pharmacy/pharmacy-pharmD/Pharmacy-Student-Handbook.pdf). Click here (https://www.roosevelt.edu/colleges/pharmacy/current-students/pharmacy-curriculum/) to view the entire PharmD Curriculum.

Professional Year 1 Courses

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<tr>
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<th>Credit Hours</th>
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<td>3 PHAR 500</td>
<td>1 PHAR 511</td>
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<tr>
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<td>3 PHAR 531</td>
<td>4.5 PHAR 510</td>
<td>4 PHAR 552</td>
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<td>3 PHAR 53</td>
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<td>4 PHAR 57</td>
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<table>
<thead>
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<th>Credit Hours</th>
<th>Credit Summer Hours</th>
<th>Credit Fall Hours</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>4.5 PHAR/ MBA3,4</td>
<td>PHAR 630</td>
<td>4.5</td>
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<td>PHAR 63</td>
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<td>PHAR 63</td>
<td>5.5</td>
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<td>PHAR 652</td>
<td>3 PHAR 550</td>
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<td>PHAR 657</td>
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<td>PHAR 57</td>
<td>3</td>
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<td>PHAR 572</td>
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<td>3</td>
<td>PHAR 627</td>
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<td>Professional Year 3 Courses</td>
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<th>Credit Summer Hours</th>
<th>Credit Fall Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR 772</td>
<td>8 PHAR 774</td>
<td>8 PHAR 636</td>
<td>4.5 PHAR 770</td>
<td>8</td>
</tr>
<tr>
<td>PHAR 77</td>
<td>8 PHAR 77</td>
<td>8 PHAR 63</td>
<td>4.5 PHAR 77</td>
<td>8</td>
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<tr>
<td></td>
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<td>PHAR 604</td>
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<td>PHAR 64</td>
<td>3</td>
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<td></td>
<td>PHAR 611</td>
<td>0.5</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>Total Credit Hours 184</td>
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<td></td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

1 Total Credit Hours including Elective Courses: 188.5
2 College of Pharmacy Curriculum is subject to change.

3 Students may take PHAR electives and/or MBA coursework
4 Credit Hours are arranged

Experiential Education

Approximately one-third of the PharmD curriculum is experiential education, which provides practical experience in a variety of off-site, pharmacy settings. Experiential education often referred to as “rotations,” helps students apply knowledge gained in the classroom to a real-life pharmacy practice setting. During these off-site experiences, students work with practicing pharmacists and faculty members, known as “preceptors”, who facilitate the students’ learning.

Roosevelt University College of Pharmacy has two levels of experiential education incorporated over the course of the program: Introductory Pharmacy Practice Experiences (IPPEs) and Advanced Pharmacy Practice Experiences (APPEs). The IPPE and APPE rotations, provide excellent opportunities for students to develop an array of skills, including professionalism, effective communication, working on an interprofessional team, problem-solving, critical thinking and professional competence.

Introductory Pharmacy Practice Experiences (IPPE): The Introductory Pharmacy Practice Experiences (IPPEs) occur during the first two didactic years. These experiences occur during Terms 2, 6, 7 and 8 of the pharmacy curriculum. The IPPE rotations occur in both community and institutional settings. A total of 320 hours is completed. IPPE rotations are scheduled for eight hours, on Fridays, for ten weeks of the term. The Office of Experiential Education places students at various sites, based on site and preceptor availability.

Advanced Pharmacy Practice Experiences (APPE): The entire third year of the pharmacy curriculum is comprised of Advanced Pharmacy Practice Experiences (APPEs). Students complete six rotations, each lasting six weeks (240 hours), for a minimum of 1440 APPE hours. There are four required experiences: Community Pharmacy, Hospital Pharmacy, Ambulatory Care and Acute Care Medicine along with two elective rotations, that take place in a wide variety of pharmacy sites. These sites can be local, regional or national. A computerized matching process is used to place students with preceptors and in practice sites, based on student preference rankings and site and preceptor availability. Prior to the matching process, students also have the opportunity to apply and/or interview for Longitudinal APPE programs, with some of our larger institutional partners. This allows the student to do three or more APPE rotations at one site.

Pharmacy, PharmD/MBA Dual Degree Program

The Doctor of Pharmacy (PharmD) degree program at Roosevelt University is designed to prepare pharmacists to work in a variety of health care settings. Through an academic coursework that includes the current MBA prerequisite, core, and concentration courses, PharmD students can complete a dual PharmD/MBA program. There is a demand for a MBA (https://www.roosevelt.edu/academics/programs/masters-in-business-administration-mba/) degree from PharmD students at Roosevelt University. This Dual Degree program will encourage and allow PharmD students to customize their management education in the direction of their specific interests and career aspirations. The PharmD/MBA dual degree can be accomplished using the existing core courses and concentration courses.
Admission

Students must complete a PharmD/MBA Dual Degree interest form no later than Spring Term 4 in the College of Pharmacy curriculum for enrollment in Summer Term 5 HCB courses. Completion of the interest form enables students to take HCB courses while enrolled in the College of Pharmacy as listed in the course map.

The Doctor of Pharmacy (PharmD) degree program at Roosevelt University is designed to prepare pharmacists to work in a variety of health care settings. Through an academic coursework that includes the current MBA prerequisite, core, and concentration courses, PharmD students can complete a dual PharmD/MBA program. There is a demand for a MBA degree from PharmD students at Roosevelt University. This Dual Degree program will encourage and allow PharmD students to customize their management education in the direction of their specific interests and career aspirations. The PharmD/MBA dual degree can be accomplished using the existing core courses and concentration courses.

Students must apply to Heller College of Business no later than Spring Term 4 of COP curriculum for enrollment in Summer Term 5 HCB courses. For students who have not earned a bachelor’s degree, admission to the MBA program in Heller College of Business will be contingent on successful completion of PharmD. This contingent admission enables students to take HCB courses prior to completion of the PharmD as listed in the course map.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR 532</td>
<td>INTEGRATED SEQUENCE: ENDOCRINE SYSTEMS</td>
<td>4.5</td>
</tr>
<tr>
<td>PHAR 650</td>
<td>PRACTICE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 524</td>
<td>PC: MED ADMIN &amp; SELF MONIT TECH</td>
<td>2</td>
</tr>
<tr>
<td>PHAR 529</td>
<td>PROFESSIONAL DEVELOPMENT AND LEADERSHIP III</td>
<td>0.5</td>
</tr>
<tr>
<td>PHAR 630</td>
<td>INTEGRATED SEQUENCE: RENAL AND GENITOURINARY SYSTEMS</td>
<td>4.5</td>
</tr>
<tr>
<td>PHAR 631</td>
<td>INTEGRATED SEQUENCE: CARDIOVASCULAR SYSTEMS</td>
<td>5.5</td>
</tr>
<tr>
<td>PHAR 567</td>
<td>PUBLIC HEALTH/HEALTH POLICY</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 571</td>
<td>PROFESSIONAL PRACTICE II &amp; IPP</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 627</td>
<td>PROFESSIONAL DEVELOPMENT AND LEADERSHIP IV</td>
<td>0.5</td>
</tr>
<tr>
<td>PHAR 632</td>
<td>INTEGRATED SEQUENCE: GASTROINTESTINAL AND HEPATOBILIARY SYSTEMS</td>
<td>4</td>
</tr>
<tr>
<td>PHAR 633</td>
<td>INTEGRATED SEQUENCE: INFECTIOUS DISEASES</td>
<td>5</td>
</tr>
<tr>
<td>PHAR 562</td>
<td>HEALTH ECONOMICS &amp; OUTCOMES</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 560</td>
<td>PC: STERILE PROD</td>
<td>2</td>
</tr>
<tr>
<td>PHAR 572</td>
<td>PROF PRACTICE III &amp; IPPE</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 628</td>
<td>PROFESSIONAL DEVELOPMENT AND LEADERSHIP V</td>
<td>0.5</td>
</tr>
<tr>
<td>PHAR 634</td>
<td>INTEGRATED SEQUENCE: NEUROLOGIC DISORDERS</td>
<td>4.5</td>
</tr>
<tr>
<td>PHAR 635</td>
<td>INTEGRATED SEQUENCE: PSYCHIATRIC AND BEHAVIORAL CONDITIONS</td>
<td>4.5</td>
</tr>
<tr>
<td>PHAR 550</td>
<td>PHARMACY LAW</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 603</td>
<td>PC: APPLIED CLINICAL SKILLS</td>
<td>2</td>
</tr>
<tr>
<td>PHAR 559</td>
<td>PHARMACOGENOMICS</td>
<td>1</td>
</tr>
<tr>
<td>PHAR 670</td>
<td>PRF PRACTICE IV AND IPPE</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 629</td>
<td>PROFESSIONAL PRACTICE IV AND IPPE</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 636</td>
<td>INTEGRATED SEQUENCE: SPECIAL PATIENT POPULATIONS/CONDITIONS</td>
<td>4.5</td>
</tr>
<tr>
<td>PHAR 637</td>
<td>INTEGRATED SEQUENCE: HEMATOLOGIC AND ONCOLOGIC DISORDERS</td>
<td>4.5</td>
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<tr>
<td>PHAR 604</td>
<td>PHARMACEUTICAL CARE VI: OBJECTIVE STRUCTURED CLINICAL EXPERIENCE</td>
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<tr>
<td>PHAR 640</td>
<td>THERAPEUTIC DRUG MONITORING</td>
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<tr>
<td>PHAR 770</td>
<td>ADVANCED PATIENT CARE - COMMUNITY</td>
<td>8</td>
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<tr>
<td>PHAR 771</td>
<td>ADVANCED PATIENT CARE - HOSPITAL</td>
<td>8</td>
</tr>
<tr>
<td>PHAR 772</td>
<td>ADVANCED PATIENT CARE - AMBULATORY CARE</td>
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</tr>
<tr>
<td>PHAR 773</td>
<td>ADVANCED PATIENT CARE-ACTUTE CARE MEDICINE</td>
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<td>PHAR 774</td>
<td>APPE ELECTIVE ROTATION I</td>
<td>8</td>
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<tr>
<td>PHAR 775</td>
<td>APPE ELECTIVE ROTATION II (Elective for MBA, Elective rotation for PharmD, counts toward required hours)</td>
<td>8</td>
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</tbody>
</table>

Required - 3 Credit Hours Elective Course in Pharmacy 3
MBA Courses

ACCT 405 ACCOUNTING FOR EXECUTIVES 3
MGMT 423 PEOPLE MANAGEMENT AND ORGANIZATIONAL BEHAVIOR 3
MGMT 403 STATISTICS FOR BUSINESS DECISIONS 3
INFS 401 INFORMATION RESOURCE MANAGEMENT 3
FIN 408 FINANCE FOR DECISION MAKERS 3

Concentration 1 Course

MGT 489 STRATEGIC MANAGEMENT – SINGLE BUSINESS ORGANIZATIONS 3

Concentration 2 Course

MKTG 406 MARKETING STRATEGY: THEORY & PRACTICE 3

Concentration 3 Course

The following courses from the College of Pharmacy will count toward the certificate for a total of 6 semester credit hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR 650</td>
<td>PRACTICE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 652</td>
<td>HEALTH ECONOMICS &amp; OUTCOMES</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 657</td>
<td>PUBLIC HEALTH/HEALTH POLICY</td>
<td>3</td>
</tr>
<tr>
<td>APPE management 240 hours</td>
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The following courses will need to be taken from the College of Business for a total of 6 semester credit hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 407</td>
<td>EXECUTIVE LEADERSHIP</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 405</td>
<td>ACCOUNTING FOR EXECUTIVES</td>
<td>3</td>
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</tbody>
</table>

Both courses offered on the SCH campus Summer

In addition, students participating in the certificate program may be given preference for APPE management and administration electives.

Benefits

- Students who earn the certificate will have 15 of 36 hours to apply toward an MBA if they choose to continue.
- It will serve as the basis of a 3.5 year dual degree option for a Pharm D/MBA.
- Based on information provided by the RUCOP Advisory Committee – one of the greatest needs they see in new grads is to have a greater understand that pharmacy is a business.
- By offering the certificate and dual degree it will set RUCOP apart from its other nearby 3 year Pharm D competitors MWU and MCW which do not have the ability to offer this type of certificate/degree.
- Assist our graduates in standing out in the job market.

Year 1

<table>
<thead>
<tr>
<th>Summer</th>
<th>Credit Fall Hours</th>
<th>Credit Winter Hours</th>
<th>Credit Spring Hours</th>
<th>Credit Hours</th>
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<tr>
<td>PHAR 50</td>
<td>1 PHAR 511</td>
<td>4 PHAR 512</td>
<td>4 PHAR 522</td>
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<td>PHAR 50</td>
<td>1.5 PHAR 52</td>
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Year 2

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<td>PHAR 51</td>
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<td>PHAR 514</td>
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<td>3 PHAR 530</td>
<td>4 PHAR 532</td>
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<td>PHAR 55</td>
<td>3 PHAR 60</td>
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Year 3

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<th>Credit Hours</th>
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<tbody>
<tr>
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<td>8 PHAR 772</td>
<td>8 PHAR 774</td>
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<td>PHAR 63</td>
<td>4.5 PHAR 77</td>
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Year 4

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<tbody>
<tr>
<td>MGMT 403</td>
<td>3 FIN 408</td>
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<td>3</td>
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<td>INFS 401</td>
<td>3 Concentr Course #2</td>
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Concentration Course #1

<table>
<thead>
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<th>Concentration Course #1</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MGMT 41</td>
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<tr>
<td>ACCT 405</td>
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<td>MGMT 4</td>
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<tr>
<td>MKTG 406</td>
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9 21

Total Credit Hours 226.5
History of Walter E. Heller and Alyce DeCosta

The Heller College of Business prides itself on preparing students for future professional and personal success through a cutting-edge curriculum that builds fundamental business knowledge, hand-on projects that develop in-demand professional skills and foster critical-thinking, and experiential learning opportunities that provide exposure to the metropolitan Chicago business community. Our faculty are a mix of award winning scholars and highly successful industry practitioners who challenge students to realize their potential and support their journey to success. Our faculty, staff, advisory board members, and network of alumni work collaboratively to ensure the College delivers a world-class education for a diverse student body, preparing them for future roles as business leaders and socially-conscious citizens.

The Heller College of Business (HCB) is named after Walter E. Heller, a preeminent Chicago businessman in the mid-1900’s. A resourceful, hard-working, and meticulous entrepreneur, Heller’s business empire grew to include food manufacturing, jewelry, and finance (including commercial lending and private equity). Walter E. Heller died in 1969, but with the generous support of his widow, Alyce DeCosta, and the Walter E. Heller Foundation, a substantial naming gift of $2 million was made to Roosevelt University. The College proudly carries the Heller name to this day, continuing the legacy of entrepreneurialism and excellence that defined Walter E. Heller’s career.

Mission

The Heller College of Business designs and delivers quality programs and services that meet current and future educational needs of students in a dynamic, global business environment. We promote a climate of integrity and social responsibility while developing critical business skills.

Accreditation

All programs of the University are accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. In addition, the business degree programs offered through the Heller College of Business are accredited by the Accreditation Council for Business Schools and Programs (ACBSP). University business programs worldwide pursue this recognition, and ACBSP accredits approximately 10 percent of business programs in the United States and a few outside the United States. ACBSP accreditation is a mark of distinction in that accredited programs must meet national and international standards for teaching excellence, achieving learning outcomes, mission-based strategic planning and continuous improvement.

Degree Programs

The Heller College of Business offers eight graduate business degrees. The Master of Business Administration is a general management degree with a chosen area of specialization. The college also offers seven specialized master of science degrees: Master of Science in Accounting, Master of Science in Accounting Forensics (online only), Master of Science in Human Resource Management, Master of Science in Real Estate, Master of Science in Hospitality Management, a Master of Arts in Organizational Leadership, and a Master of Arts in Training and Development.

Certificate Programs

In addition to full degree programs, the Heller College of Business offers four graduate business certificates. These graduate certificates are shorter, four-course credentials for students who might not desire or be ready for a full graduate degree program. Our Marshall Bennett Institute of Real Estate offers two certificates, one in Real Estate Development and one in Real Estate Finance & Investment. We also offer a certificate in Project Management, and one in Business Analytics.

Transfer Credit

Transfer credits may be accepted from other graduate programs provided they are accredited. The Heller College of Business follows the University Graduate Transfer policy, where up to 6 credit hours in 30-credit hour programs and up to 9 credit hours in longer programs ay be accepted for transfer credit with the approval of the program advisor. Detailed information is contained in the university’s Transfer Credit Policy.

Full-time Graduate Students

The normal full-time load for a graduate student is 9 credit hours, (three courses). Scheduling conflicts may occur when taking four or more classes so students should work closely with an adviser to map out their degree plan. Course prerequisites may not be waived to accommodate scheduling difficulties or to accelerate graduation.

Location and Scheduling

Most degrees are available in-person at both the Chicago and the Schaumburg campuses, except for the MSRE and MSHTM degrees which are only offered in Chicago and the MSAF, MAOL and MATD degrees are offered online only. For the MBA degree, core courses are offered in person each semester, as well as online. Concentration courses and specialty courses are offered on a regular basis, but not necessarily each semester. Graduate business classes are offered at various times, including the weekends.

Admission to Graduate Business Programs

Domestic (U.S. citizen or permanent resident) applicants. Applicants to graduate studies for the MBA, MS, and MA degrees in the Heller College of Business must complete and submit the following:

- Graduate university application
- Applicants with an undergraduate GPA below 3.0 may be required to complete an interview process with Business Administration staff and faculty.
- Resume or detailed work history
- A two-page personal goals statement
- Official transcripts from all colleges and universities attended, regardless of whether a degree was received
- Application fee

International applicants. International applicants and other students with academic credentials from institutions outside of the United States who
are applying for the MBA, MS, and MA degrees in the Heller College of Business must complete and submit the following:

- International Graduate University Application, including the Summary of Educational Experience by Year.
- Those students below a 3.0 GPA on a 4.0 grading scale might be required to complete an interview process with the Assistant Dean, Department Chairs and/or selected staff and faculty from the Heller College of Business.
- Demonstration of English proficiency, as evidenced by TOEFL/IELTS/ROosevelt ELP test, is required if education is not from a North American institution in which English is the medium of instruction.
- Resume or detailed work history.
- A two-page personal goals statement.
- Financial Statement and Affidavit of Support, with supporting financial records.
- Application fee.

International or domestic applicants who hold international degrees.

- Applicants with a degree from outside the United States must submit an international degree evaluation to assess for US equivalency from either Education Credential Evaluators (ECE), World Education Services (WES) or Educational Perspectives.
- Applicants with a three-year degree will be considered.
- Non-admissible applicants with a three-year degree may be eligible to enroll in an RU undergraduate program, preferably business, to work toward four-year equivalency.

Graduate Assistantships

The college has a limited number of graduate assistantships available to full-time students each year. The assistantships provide a cash stipend and up to 18 credit hours of tuition annually. The duties of a graduate assistant may include tutoring, research, and assistance with general academic or administrative projects. Please reach out to Student Support Specialist Lakeisha Robinson (lrobinson31@roosevelt.edu) if you have questions or are interested in applying for a position.

Advising

Advising at the Graduate level is done by our Assistant Dean and Student Support Specialist. All new students should meet with the Assistant Dean (Erica Poremba) and Student Support Specialist (Lakeisha Robinson). All new students should meet with their adviser before registering for their course(s). Advising may be in person, by telephone, or by email. All students should seek advice, if necessary, and register as early as possible in the registration period.

Student Services

The Heller College of Business is committed to the success of our students. We offer internships, mentoring programs and student professional development workshops in order to emphasize the focus on learning through the classroom and applying knowledge and theory gained in the real world.

Professional Development Workshops

The Heller College of Business provides many professional development workshops throughout the academic year at both campuses. Topics that are covered include: resume building and cover letter writing, the perfect elevator pitch, Excel for business basics and advanced, financial planning, survival skills for the corporate world and much more.

Career Services

The Heller College of Business offers a variety of career services to help students land great jobs during or after completing their academic programs. We host a business career fair each fall to match the standard business recruiting cycle. At the career fair we host numerous employers from various industries recruiting for full-time, part-time, and internship job opportunities. Additionally, we also host on-campus and virtual corporate presentations from firms who are actively recruiting HCB students. Finally, our Office of Career Development hosts a general career fair each Spring, as well as manages a jobs board where firms can post job openings year-round.

Internships

Internships are offered as part of the graduate programs. With the prior approval of their adviser, a student may elect to use an internship as an elective course in the degree program. Internship can be a valuable learning tool for those graduate students who have had limited work experience or for those seeking a major career change and students are encouraged to pursue them. Students interested in pursuing the possibility of an internship should discuss this with their adviser early on in their academic program.

Graduate students may use up to three credit hours of internship to fulfill degree requirements. To accept an internship, a student must be legally eligible to work in the United States. A student may not use an employer for whom he/she already works full-time for an internship. The student must receive written approval from their adviser and/or Dean or Associate Dean before enrolling for an internship.

Accounting Forensics, MSAF

The Master of Science in Accounting Forensics (MSAF) is designed to prepare graduate students for a career in a new, exciting sub-field of accounting. This program is for people of various professional backgrounds including accountants, tax professionals, attorneys, bankers, insurers, law enforcement and criminal justice personnel, and various government employees.

Accounting forensics is the specialty practice that looks at the evidence behind the numbers and then digs into their contents. Forensic accountants, also referred to as forensic auditors or investigative auditors, often assist lawyers in performing investigations or act as expert witnesses in the litigation process. The forensic accountant combines the skills of an accountant, an auditor, and an investigator. To be successful in this profession, the student should have a sense of curiosity. Through the program the student will develop strong analytical and deductive skills and professional judgment.

The MSAF program will help prepare students to test for various industry certifications, including the CIA, CFE, and CMA, by completing their professional training and/or fulfilling professional exam requirements. Below are the recommended programs and/or courses for these exams.

- CIA: MSAF students could include ACCT 433 as one of their electives in preparation for this exam.
- CFE: Standard MSAF curriculum.
• CMA: MSAF students could include ACCT 442 as one of their electives in preparation for this exam.

In addition to the MSAF program, the Heller College of Business offers several other accounting programs at the graduate level: the MBA with a concentration in Accounting or Accounting Forensics, and the Master of Science in Accounting (MSA) with the ability to choose between a Professional Accounting and Forensic Accounting track.

As a whole, our Accounting programs are designed to meet the needs of any of the following groups:

• Students who wish to complete their professional accounting education.
• Students who wish to pursue a terminal program that will enable them to enter the fields of public accounting, managerial accounting, governmental or nonprofit accounting, and auditing.
• Students who seek a concentration in fraud examination studies.
• Students with majors in the liberal arts, sciences, engineering, and other fields who want to complete a professional accounting program.
• Accountants and teachers of accounting who wish to advance their careers through further study.

Requirements
To earn the MSAF, students must successfully complete at least 31 credit hours: a one-credit-hour business orientation course, seven core courses, and three electives.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 401</td>
<td>GRADUATE BUSINESS ORIENTATION</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 406</td>
<td>ISSUES IN ASSET VALUATION</td>
<td>3</td>
</tr>
</tbody>
</table>

Required

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 471</td>
<td>FRAUD EXAMINATION</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 473</td>
<td>FINANCIAL STATEMENTS AND FRAUD</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 474</td>
<td>ANTI-MONEY LAUNDERING</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 475</td>
<td>COMPUTER FORENSICS &amp; AUDITING</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 477</td>
<td>TOPICS IN BUSINESS FORENSICS</td>
<td>3</td>
</tr>
<tr>
<td>INFS 401</td>
<td>INFORMATION RESOURCE</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Three graduate level electives from INFS and ACCT courses, except ACCT 403 and ACCT 405

Total Credit Hours 31

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different. No more than two grades of C (not C) may be applied toward the 36 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

Year 1

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 401</td>
<td>1</td>
<td>ACCT 471</td>
</tr>
<tr>
<td>ACCT 406</td>
<td>3</td>
<td>ACCT 473</td>
</tr>
<tr>
<td>INFS 401</td>
<td>3</td>
<td>ACCT 475</td>
</tr>
<tr>
<td>ACCT 474</td>
<td>3</td>
<td>ACCT or INFS</td>
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Elective #1

Total Credit Hours 31

Year 2

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 477</td>
<td>3</td>
</tr>
<tr>
<td>ACCT or INFS</td>
<td>3</td>
</tr>
<tr>
<td>Elective #2</td>
<td>3</td>
</tr>
<tr>
<td>ACCT or INFS</td>
<td>3</td>
</tr>
<tr>
<td>Elective #3</td>
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Total Credit Hours 9

Year 3

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 473</td>
<td>3</td>
</tr>
<tr>
<td>ACCT or INFS</td>
<td>3</td>
</tr>
<tr>
<td>Elective #1</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 475</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 477</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective #2

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C) may be applied toward the 36 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

Year 1

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
<th>Spring Credit Hours</th>
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<td>1</td>
<td>ACCT 474</td>
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<tr>
<td>ACCT 406</td>
<td>3</td>
<td>ACCT 471</td>
</tr>
<tr>
<td>INFS 401</td>
<td>3</td>
<td>ACCT 475</td>
</tr>
</tbody>
</table>

Elective #1

Total Credit Hours 31

Year 2

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 477</td>
<td>3</td>
</tr>
<tr>
<td>ACCT or INFS</td>
<td>3</td>
</tr>
<tr>
<td>Elective #2</td>
<td>3</td>
</tr>
<tr>
<td>ACCT or INFS</td>
<td>3</td>
</tr>
<tr>
<td>Elective #3</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 9

Year 3

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 473</td>
<td>3</td>
</tr>
<tr>
<td>ACCT or INFS</td>
<td>3</td>
</tr>
<tr>
<td>Elective #1</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 475</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 477</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective #2

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C) may be applied toward the 36 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.
ACCT or INFS 3
Elective #3 6

Total Credit Hours 31

1 3 credits of Accounting are prerequisites for ACCT 471, ACCT 473, and ACCT 477.

**Accounting, MSA**

The Master of Science in Accounting (MSA) program is designed to enable graduates in the liberal arts, sciences, engineering, and other fields, as well as graduates in business, to complete an advanced degree in accounting on a part-time or full-time basis. The MSA program offers two tracks, Professional Accounting and Accounting Forensics.

The focus of the learning process is a shared responsibility of the student and instructor. Our classes are small, the contact personal. We stress teamwork and group projects, with many case analyses that include written and oral presentations. Above all, we expect each student to contribute to the education of his or her colleagues, believing that adult learners have considerable expertise to share with classmates.

The MSA program will help prepare students to test for various industry certifications, including the CPA, CIA, CFE, and CMA, by completing their professional training and/or fulfilling professional exam requirements. Below are the recommended programs and/or courses for these exams.

- CPA: MSA, Professional Track
- CIA: MSA, Professional Track or Forensic Track.
- CFE: MSA, Forensic Track or Professional Track; Professional Track students could include forensics classes as their electives in preparation for this exam.
- CMA: MSA, Professional Track.

In addition to the MSA program, the Heller College of Business offers several other accounting programs at the graduate level: the MBA with a concentration in Accounting or Accounting Forensics, and the Master of Science in Forensic Accounting (MSAF).

- As a whole, our Accounting programs are designed to meet the needs of any of the following groups:
- Students who wish to complete their professional accounting education.
- Students who wish to pursue a terminal program that will enable them to enter the fields of public accounting, managerial accounting, governmental or nonprofit accounting, and auditing.
- Students who seek a concentration in fraud examination studies.
- Students with majors in the liberal arts, sciences, engineering, and other fields who want to complete a professional accounting program.
- Accountants and teachers of accounting who wish to advance their careers through further study.

**Requirements**

Students entering with a non-business baccalaureate degree will have their prior course work evaluated and may be required to take additional Accounting course(s) in addition to the 11-course MSA program. In these cases, ACCT 403 and ACCT 405 will not count toward the MSA degree, including as degree electives.

MSA, Professional Track: Students must successfully complete at least 31 credit hours, including a one-credit-hour online business orientation course, three core courses, five required track courses, and two Accounting electives (six credit hours).

MSA, Forensic Track: Students must successfully complete at least 31 credit hours, including a one-credit-hour online business orientation course, three core courses, and seven track courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT 406</td>
<td>ISSUES IN ASSET VALUATION</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 407</td>
<td>ISSUES IN INCOME DETERMINATION</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 491</td>
<td>ACCOUNTING RESEARCH &amp; ANALYSIS</td>
<td>3</td>
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</tbody>
</table>

**Orientation**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 401</td>
<td>GRADUATE BUSINESS ORIENTATION</td>
<td>1</td>
</tr>
</tbody>
</table>

**Track Courses**

Select one of the following tracks:

**Track 1: Professional Accounting:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 414</td>
<td>ADVANCED ACCOUNTING</td>
<td></td>
</tr>
<tr>
<td>ACCT 433</td>
<td>PROFESSIONAL PRACTICE OF AUDITING</td>
<td></td>
</tr>
<tr>
<td>ACCT 442</td>
<td>ADVANCED COST &amp; MANAGERIAL ACCOUNTING</td>
<td></td>
</tr>
<tr>
<td>ACCT 450</td>
<td>ACCOUNTING INFORMATION SYSTEMS</td>
<td></td>
</tr>
<tr>
<td>ACCT 456</td>
<td>FEDERAL TAXATION</td>
<td></td>
</tr>
<tr>
<td>ACCT 4XX</td>
<td>Two Graduate Accounting Electives, except ACCT 403 and ACCT 405</td>
<td></td>
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</tbody>
</table>

**Track 2: Forensic Accounting:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 433</td>
<td>PROFESSIONAL PRACTICE OF AUDITING</td>
<td></td>
</tr>
<tr>
<td>ACCT 456</td>
<td>FEDERAL TAXATION</td>
<td></td>
</tr>
<tr>
<td>ACCT 471</td>
<td>FRAUD EXAMINATION</td>
<td></td>
</tr>
<tr>
<td>ACCT 473</td>
<td>FINANCIAL STATEMENTS AND FRAUD</td>
<td></td>
</tr>
<tr>
<td>ACCT 474</td>
<td>ANTI-MONEY LAUNDERING</td>
<td></td>
</tr>
<tr>
<td>ACCT 475</td>
<td>COMPUTER FORENSICS &amp; AUDITING</td>
<td></td>
</tr>
<tr>
<td>ACCT 477</td>
<td>TOPICS IN BUSINESS FORENSICS</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 31

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C) may be applied toward the 36 hours used for the degree. A
graduate course can only be repeated once; no more than two courses can be repeated.

### Year 1

<table>
<thead>
<tr>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 401</td>
<td>ACCT 407</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 406</td>
<td>ACCT 414</td>
</tr>
<tr>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 450</td>
<td>ACCT 433</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 400-</td>
<td>ACCT 456</td>
</tr>
<tr>
<td>Elective # 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
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<td></td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>12</td>
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</tbody>
</table>

Total Credit Hours 31

1. ACCT 406 is a prerequisite for ACCT 414, ACCT 433, ACCT 442, and ACCT 456
2. BADM 401 is a prerequisite for ACCT 442

### Business Administration, MBA

The MBA degree prepares students for executive and managerial positions in both the private and public sectors. Emphasis is placed on the development of critical knowledge across a variety of business disciplines, as well as problem-solving and decision-making abilities. The degree includes broad preparation in business administration, while allowing for a concentration in a specific business discipline or related disciplines.

Students may select a concentration consisting of three related courses, designed from curricula housed in the Heller College of Business, and the College of Arts and Sciences. Multiple concentrations may also be pursued (this will require an increased number of credit hours; speak to a graduate adviser for details).

Within the Heller College of Business, students may choose a concentration from the following areas: accounting, accounting forensics, finance, hospitality and tourism management, human resource management, information systems, international business, management, marketing, real estate, and social entrepreneurship.

Students’ second option is to choose a concentration from another graduate program within the university. These options and variations open a variety of career paths to MBA graduates. These concentrations include, but are not limited to: economics, health services administration, industrial/organizational psychology, integrated marketing communications, and training and development.

### Requirements

To earn the MBA, students must successfully complete 33 credit hours. Typically, this includes eleven courses: seven core courses, three courses in an area of concentration, and one elective. Of the 12 core and concentration courses required for the degree, at least nine must be courses offered in the College of Business. If the concentration selected is outside the College of Business, then the elective must be a Heller College of Business course. Students may elect to do a maximum of two concentrations, although one concentration must be inside of the Heller College of Business. Students completing two concentrations will have the graduate elective waived and will complete a total of 43 credit hours.

Students should also plan their programs of study so that all prerequisites are completed before enrolling in any course that has a prerequisite.

### Code Title Credit Hours

**Core Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 405</td>
<td>ACCOUNTING FOR EXECUTIVES</td>
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</tr>
<tr>
<td>FIN 408</td>
<td>FINANCE FOR DECISION MAKERS</td>
<td>3</td>
</tr>
<tr>
<td>INFS 401</td>
<td>INFORMATION RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 403</td>
<td>STATISTICS FOR BUSINESS DECISIONS</td>
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</table>
### Concentration Options within the College of Business

#### Accounting Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required:</td>
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</tr>
<tr>
<td>ACCT 406</td>
<td>ISSUES IN ASSET VALUATION</td>
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<tr>
<td>ACCT 407</td>
<td>ISSUES IN INCOME DETERMINATION</td>
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<td>Choose one of the following:</td>
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<tr>
<td>ACCT 414</td>
<td>ADVANCED ACCOUNTING</td>
<td></td>
</tr>
<tr>
<td>ACCT 433</td>
<td>PROFESSIONAL PRACTICE OF AUDITING</td>
<td></td>
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<tr>
<td>ACCT 442</td>
<td>ADVANCED COST &amp; MANAGERIAL ACCOUNTING</td>
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<td>ACCT 447</td>
<td>INTERNATIONAL ACCOUNTING</td>
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<td>ACCT 450</td>
<td>ACCOUNTING INFORMATION SYSTEMS</td>
<td></td>
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<tr>
<td>ACCT 454</td>
<td>GOVERNMENTAL &amp; NONPROFIT ACCOUNTING</td>
<td></td>
</tr>
<tr>
<td>ACCT 456</td>
<td>FEDERAL TAXATION</td>
<td></td>
</tr>
<tr>
<td>ACCT 457</td>
<td>ADVANCED FEDERAL INCOME TAX &amp; RESEARCH</td>
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</tr>
<tr>
<td>ACCT 491</td>
<td>ACCOUNTING RESEARCH &amp; ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>ACCT 492</td>
<td>PROFESSIONAL ACCOUNTING INTERNSHIP</td>
<td></td>
</tr>
<tr>
<td>ACCT 493</td>
<td>SEMINAR: THEORY &amp; CASES FINANCIAL MANAGEMENT</td>
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</table>

Total Credit Hours 9

#### Accounting Forensics Concentration

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select three of the following:</td>
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<tr>
<td>ACCT 471</td>
<td>FRAUD EXAMINATION</td>
<td></td>
</tr>
<tr>
<td>ACCT 473</td>
<td>FINANCIAL STATEMENTS AND FRAUD</td>
<td></td>
</tr>
<tr>
<td>ACCT 474</td>
<td>ANTI-MONEY LAUNDERING</td>
<td></td>
</tr>
<tr>
<td>ACCT 475</td>
<td>COMPUTER FORENSICS &amp; AUDITING</td>
<td></td>
</tr>
<tr>
<td>ACCT 477</td>
<td>TOPICS IN BUSINESS FORENSICS</td>
<td></td>
</tr>
<tr>
<td>ACCT 492</td>
<td>PROFESSIONAL ACCOUNTING INTERNSHIP</td>
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Total Credit Hours 9

#### Finance Concentration

<table>
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<tr>
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<th>Title</th>
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</thead>
<tbody>
<tr>
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<td>Select three of the following:</td>
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<td>FIN 454</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
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<tr>
<td>FIN 482</td>
<td>THEORY &amp; CASES FINANCIAL MANAGEMENT</td>
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</tr>
<tr>
<td>FIN 483</td>
<td>CAPITAL MARKETS &amp; FINANCIAL INSTITUTIONS</td>
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<tr>
<td>FIN 485</td>
<td>INVESTMENT THEORY</td>
<td></td>
</tr>
<tr>
<td>FIN 487</td>
<td>DERIVATIVES (Advanced Financial Instruments)</td>
<td></td>
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<tr>
<td>FIN 492</td>
<td>PROFESSIONAL FIN INTERNSHIP</td>
<td></td>
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<tr>
<td>FIN 495</td>
<td>FINANCE INDEPENDENT STUDY</td>
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</table>

Total Credit Hours 9

#### HOSPITALITY & TOURISM MANAGEMENT CONCENTRATION

<table>
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<tbody>
<tr>
<td></td>
<td>ISSUES/TRENDS IN THE HOSPITALITY MANAGEMENT INDUSTRY</td>
<td>3</td>
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<tr>
<td></td>
<td>APPLIED RESEARCH METHODS IN HOSPITALITY MANAGEMENT</td>
<td>3</td>
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<tr>
<td></td>
<td>HOSPITALITY OPERATIONS ANALYSIS</td>
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Total Credit Hours 9

#### Human Resource Management Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Select three of the following:</td>
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</tr>
<tr>
<td>HRM 400</td>
<td>STRATEGIC ISSUES IN HUMAN RESOURCES</td>
<td></td>
</tr>
<tr>
<td>HRM 405</td>
<td>LEGAL ISSUES IN HUMAN RESOURCE</td>
<td></td>
</tr>
<tr>
<td>HRM 428</td>
<td>WORKPLACE DIVERSITY</td>
<td></td>
</tr>
<tr>
<td>HRM 430</td>
<td>EMPLOYEE BENEFITS</td>
<td></td>
</tr>
<tr>
<td>HRM 432</td>
<td>LABOR AND EMPLOYEE RELATIONS</td>
<td></td>
</tr>
<tr>
<td>HRM 434</td>
<td>EMPLOYEE SELECTION &amp; STAFFING</td>
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<td>HRM 438</td>
<td>COMPENSATION MANAGEMENT</td>
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<tr>
<td>HRM 492</td>
<td>PROFESSIONAL HUMAN RESOURCE MANAGEMENT INTERNSHIP</td>
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<tr>
<td>HRM 493</td>
<td>SEMINAR IN HUMAN RESOURCE MANAGEMENT</td>
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<tr>
<td>HRM 495</td>
<td>HUMAN RESOURCE MANAGEMENT INDEPENDENT STUDY</td>
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</tbody>
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Total Credit Hours 9

#### Information Systems Concentration

<table>
<thead>
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<tr>
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<td>Select three of the following:</td>
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<tr>
<td>INFS 402</td>
<td>BUSINESS ANALYSIS</td>
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<tr>
<td>INFS 412</td>
<td>DATABASE SYSTEMS</td>
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<tr>
<td>INFS 413</td>
<td>DATA ANALYTICS</td>
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</tr>
<tr>
<td>INFS 421</td>
<td>ACCOUNTING INFORMATION SYSTEMS</td>
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</tr>
<tr>
<td>INFS 430</td>
<td>GLOBAL ISSUES IN INFORMATION SYSTEMS</td>
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Total Credit Hours 9
<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>INFS 451</td>
<td>DECISION SUPPORT SYSTEMS</td>
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<tr>
<td>INFS 471</td>
<td>MANAGEMENT OF INFORMATION SYSTEMS</td>
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<tr>
<td>INFS 488</td>
<td>PROJECT MANAGEMENT</td>
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<tr>
<td>INFS 492</td>
<td>PROFESSIONAL INFORMATION SYSTEMS INTERNSHIP</td>
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<tr>
<td>INFS 495</td>
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**Total Credit Hours** 9

### International Business Concentration

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<tbody>
<tr>
<td>ACCT 447</td>
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<tr>
<td>FIN 454</td>
<td>INTERNATIONAL FINANCIAL ANALYSIS</td>
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<td>INFS 430</td>
<td>GLOBAL ISSUES IN INFORMATION SYSTEMS</td>
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<tr>
<td>MGMT 452</td>
<td>INTERNATIONAL BUSINESS ENVIRONMENT ANALYSIS</td>
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<tr>
<td>MGMT 452</td>
<td>INTERNATIONAL BUSINESS ENVIRONMENT ANALYSIS</td>
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<td>MGMT 492</td>
<td>PROFESSIONAL MANAGEMENT INTERNSHIP</td>
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<tr>
<td>MKTG 456</td>
<td>INTERNATIONAL MARKETING ANALYSIS</td>
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**Total Credit Hours** 9

### Management Concentration

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<tbody>
<tr>
<td>MGMT 402</td>
<td>BUSINESS ANALYSIS</td>
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<tr>
<td>MGMT 405</td>
<td>SOCIAL ENTREPRENEURSHIP I: CREATING THE VISION</td>
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</tr>
<tr>
<td>MGMT 406</td>
<td>SOCIAL ENTREPRENEURSHIP II: IMPLEMENTATION</td>
<td></td>
</tr>
<tr>
<td>MGMT 421</td>
<td>OPERATIONS MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>MGMT 423</td>
<td>PEOPLE MANAGEMENT AND ORGANIZATIONAL BEHAVIOR</td>
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<tr>
<td>MGMT 440</td>
<td>BUSINESS PLAN &amp; STRATEGY NEW VENTURES</td>
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<tr>
<td>MGMT 452</td>
<td>INTERNATIONAL BUSINESS ENVIRONMENT ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>MGMT 470</td>
<td>ORGANIZATIONAL CHANGE AND DEVELOPMENT</td>
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<tr>
<td>MGMT 488</td>
<td>PROJECT MANAGEMENT</td>
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<tr>
<td>MGMT 491</td>
<td>SPECIAL TOPICS IN MANAGEMENT</td>
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<td>MGMT 492</td>
<td>PROFESSIONAL MANAGEMENT INTERNSHIP</td>
<td></td>
</tr>
<tr>
<td>MGMT 495</td>
<td>MANAGEMENT INDEPENDENT STUDY</td>
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**Total Credit Hours** 9

### Marketing Concentration

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MKTG 425</td>
<td>COMMUNICATION &amp; CONSUMER BEHAVIOR</td>
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<td>MKTG 426</td>
<td>RESEARCH FOR MARKETING DECISIONS</td>
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<tr>
<td>MKTG 440</td>
<td>BUSINESS PLAN &amp; STRATEGY NEW VENTURES</td>
<td></td>
</tr>
<tr>
<td>MKTG 456</td>
<td>INTERNATIONAL MARKETING ANALYSIS</td>
<td></td>
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<tr>
<td>MKTG 492</td>
<td>PROFESSIONAL MARKETING INTERNSHIP</td>
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<td>MKTG 495</td>
<td>MARKETING INDEPENDENT STUDY</td>
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**Total Credit Hours** 9

### Real Estate Concentration

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<tr>
<td>REES 401</td>
<td>REAL ESTATE PROCESS</td>
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<td>REES 405</td>
<td>URBAN LAND ECONOMICS</td>
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<tr>
<td>REES 411</td>
<td>REAL ESTATE FINANCE AND INVESTMENT</td>
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<tr>
<td>REES 415</td>
<td>REAL ESTATE VALUATION</td>
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<td>REES 421</td>
<td>REAL ESTATE LAW</td>
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<td>REES 431</td>
<td>REAL ESTATE MANAGEMENT &amp; MARKETING</td>
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<td>REES 441</td>
<td>REAL ESTATE DESIGN &amp; FEASIBILITY</td>
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<td>REES 451</td>
<td>PUBLIC PRIVATE PARTNERSHIPS</td>
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<td>REES 461</td>
<td>PROJECT AND CONSTRUCTION MANAGEMENT</td>
<td></td>
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<tr>
<td>REES 481</td>
<td>REAL ESTATE DEVELOPMENT</td>
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<tr>
<td>REES 492</td>
<td>PROFESSIONAL REAL ESTATE INTERNSHIP</td>
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<tr>
<td>REES 493</td>
<td>SPECIAL TOPICS IN REAL ESTATE</td>
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**Total Credit Hours** 9

### Social Entrepreneurship Concentration

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<tbody>
<tr>
<td>SENT 405</td>
<td>SOCIAL ENTREPRENEURSHIP I: CREATING THE VISION</td>
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<tr>
<td>SENT 406</td>
<td>SOCIAL ENTREPRENEURSHIP II: IMPLEMENTATION</td>
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**Total Credit Hours** 9

### TRAINING AND DEVELOPMENT CONCENTRATION

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>TRDV 400</td>
<td>INTRODUCTION TO TRAINING &amp; DEVELOPMENT</td>
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<tr>
<td>TRDV 411</td>
<td>TRAINING DELIVERY</td>
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<tr>
<td>TRDV 450</td>
<td>LEARNING TECHNOLOGIES</td>
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**Total Credit Hours** 9
Examples of Concentration Options outside of the College of Business

### Economics Concentration

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<td>Select three courses at the 400-level from Economics (ECON)</td>
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**Total Credit Hours**: 9

### HEALTH SERVICES ADMINISTRATION CONCENTRATION

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<tr>
<td>PADM 408</td>
<td>TOPICS IN POLICY MAKING</td>
<td>9</td>
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<tr>
<td>PADM 450</td>
<td>HEALTH, ILLNESS, &amp; MEDICINE IN AMERICAN SOCIETY</td>
<td>9</td>
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<tr>
<td>PADM 451</td>
<td>INTRODUCTION HEALTH SERVICES</td>
<td>9</td>
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<tr>
<td>PADM 453</td>
<td>MEDICAL ETHICS AND THE LAW</td>
<td>9</td>
</tr>
<tr>
<td>PADM 455</td>
<td>MANAGING AND MARKETING INTEGRATED HEALTH SYSTEMS</td>
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</tr>
<tr>
<td>PADM 456</td>
<td>ECONOMIC ISSUES HEALTH SERVICE MANAGEMENT</td>
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<td>PADM 458</td>
<td>MARKETING HEALTH MANAGEMENT</td>
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<td>PADM 459</td>
<td>LONG TERM CARE ADMINISTRATION</td>
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**Total Credit Hours**: 9

### INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY CONCENTRATION

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PSYC 462</td>
<td>ORGANIZATIONAL PSYCHOLOGY</td>
<td>9</td>
</tr>
<tr>
<td>PSYC 463</td>
<td>PERSONNEL PSYCHOLOGY</td>
<td>9</td>
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<tr>
<td>PSYC 660</td>
<td>EMPLOYMENT TESTING</td>
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<tr>
<td>PSYC 661</td>
<td>QUESTIONNAIRE DEVELOPMENT</td>
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<td>PSYC 662</td>
<td>CONFLICT RESOLUTION IN ORGANIZATIONS</td>
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<tr>
<td>PSYC 663</td>
<td>SPECIAL TOPICS: INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY</td>
<td>9</td>
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<tr>
<td>PSYC 664</td>
<td>JOB ANALYSIS &amp; PERFORMANCE MANAGEMENT</td>
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<tr>
<td>PSYC 665</td>
<td>OCCUPATIONAL HEALTH PSYCHOLOGY</td>
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<tr>
<td>PSYC 666</td>
<td>LEADERSHIP AND MOTIVATION</td>
<td>9</td>
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<tr>
<td>PSYC 668</td>
<td>ORGANIZATIONAL ASSESSMENT/DEVELOPMENT</td>
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<tr>
<td>PSYC 669</td>
<td>INSTRUCTIONAL DESIGN/TRAINING</td>
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<tr>
<td>PSYC 670</td>
<td>APPLIED PSYCHOLOGICAL MEASUREMENT</td>
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<td>PSYC 671</td>
<td>DIVERSITY IN ORGANIZATIONS</td>
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<td>PSYC 672</td>
<td>ORG CULTURE, PERS. STRATEGY</td>
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<tr>
<td>PSYC 673</td>
<td>CONSULTING SKILLS</td>
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**Total Credit Hours**: 9

### Marketing Communications Concentration

MBA candidates who wish to concentrate on Marketing Communications (IMC) must take the following classes in sequence:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>IMC 405</td>
<td>BRAND MKTG AND COMM METHODS</td>
<td>3</td>
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<tr>
<td>IMC 446</td>
<td>BRAND PLANNING AND MESSAGE STRATEGY</td>
<td>3</td>
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</table>

Choose one 400-level IMC course (Excluding: IMC 480, and IMC 499)

**Total Credit Hours**: 9

MBA students are not allowed to take any IMC classes for which they do not have the prerequisites. It is recommended that MBA students take MKTG 406 either before or concurrently with IMC 405.

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different. No more than two grades of C (not C-) may be applied toward the 36 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

#### Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT 405&lt;sup&gt;1, 2&lt;/sup&gt;</td>
<td>3</td>
<td>MGMT 403, INFS 401, or MGMT 423&lt;sup&gt;1, 2&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 406&lt;sup&gt;2&lt;/sup&gt;</td>
<td>3</td>
<td>MGMT 403, INFS 401, or MGMT 423</td>
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<tr>
<td>MGMT 403, INFS 401, or MGMT 423</td>
<td>3</td>
<td>CONCENTRATION COURSE</td>
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**Total Credit Hours**: 9

#### Year 2

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<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FIN 406&lt;sup&gt;1, 2&lt;/sup&gt;</td>
<td>3</td>
<td>Approved Graduate Elective</td>
<td>3</td>
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<tr>
<td>1 CONCENTRATION COURSE</td>
<td>3</td>
<td>MGMT 489&lt;sup&gt;1, 2&lt;/sup&gt;</td>
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<tr>
<td>1 CONCENTRATION COURSE</td>
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</table>

**Total Credit Hours**: 33

1. ACCT 405, and MGMT 403 are prerequisites for FIN 408
2. ACCT 405, FIN 408, MGMT 403, MKTG 406 are prerequisites for MGMT 489

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change.
change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

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Year 1

<table>
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<tr>
<th>Fall</th>
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<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT 405¹, ²</td>
<td>3</td>
<td>MGMT 403, INFS 401, or MGMT 423¹, ²</td>
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<tr>
<td>MKTG 406²</td>
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<td>MGMT 403, INFS 401, or MGMT 423</td>
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Year 2

<table>
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<tr>
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<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 408¹, ²</td>
<td>3</td>
<td>Approved graduate elective</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 403, INFS 401, or MGMT 423</td>
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<td>CONCENTRATION COURSE</td>
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Year 3

<table>
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<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>1</td>
<td>CONCENTRATION COURSE</td>
<td>3 MGMT 489¹, ²</td>
<td>3</td>
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<tr>
<td>1</td>
<td>CONCENTRATION COURSE</td>
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</table>

Total Credit Hours 33

¹ ACCT 405, and MGMT 403 are prerequisites for FIN 408
² ACCT 405, FIN 408, MGMT 403, and MKTG 406 are prerequisites for MGMT 489

Business Administration, MBA, Dual Degree with Industrial/Organizational Psychology, MA

This dual degree program allows select students to be concurrently enrolled in two sought-after degree programs. As a result of interdisciplinary cooperation between the Heller College of Business and the College of Arts and Sciences, this highly structured offering allows qualified students to obtain both a Master of Business Administration with a concentration in I/O Psychology and a Master of Arts in Industrial/Organizational Psychology, with a minimum of 20 courses (58 hours). See specific admissions information for each program:

- MBA program (http://www.roosevelt.edu/Business/Programs/MBA.aspx)
- I/O Psychology program (http://www.roosevelt.edu/CAS/Programs/Psychology/IOPsychology/MA.aspx)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PSYC 407</td>
<td>INTERMEDIATE STATISTICS</td>
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<td>PSYC 462</td>
<td>ORGANIZATIONAL PSYCHOLOGY</td>
<td>3</td>
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<td>PSYC 463</td>
<td>PERSONNEL PSYCHOLOGY</td>
<td>3</td>
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<tr>
<td>PSYC 530</td>
<td>ADVANCED RESEARCH METHODS</td>
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<td>ACCT 405</td>
<td>ACCOUNTING FOR EXECUTIVES</td>
<td>3</td>
</tr>
<tr>
<td>FIN 408</td>
<td>FINANCE FOR DECISION MAKERS</td>
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</tr>
<tr>
<td>INFS 401</td>
<td>INFORMATION RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 403</td>
<td>STATISTICS FOR BUSINESS DECISIONS</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 423</td>
<td>PEOPLE MANAGEMENT AND ORGANIZATIONAL BEHAVIOR</td>
<td>3</td>
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<tr>
<td>MGMT 489</td>
<td>STRATEGIC MANAGEMENT – SINGLE BUSINESS ORGANIZATIONS</td>
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<tr>
<td>MKTG 406</td>
<td>MARKETING STRATEGY, THEORY &amp; PRACTICE</td>
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<tr>
<td>PSYC 500</td>
<td>ADVANCED STATISTICS</td>
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Electives

Four 600-level Industrial/Organizational Psychology electives
One 400-level Business elective
One 400-level Psychology elective

Thesis or Internship

PSYC 690 | MA THESIS                                           | 3            |
or PSYC 699 | MA INDUSTRIAL/ORGANIZATIONAL PRACTICUM               |              |

Total Credit Hours 57

¹ An average of B (3.0) or better to complete acceptance into the dual degree program.

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Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 405¹, ²</td>
<td>3</td>
<td>MKTG 406²</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 407, 462, 463, or 530</td>
<td>3 PSYC 407, 462, 463, or 530</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYC 407, 462, 463, or 530</td>
<td>3 PSYC 500¹, ²</td>
<td>3</td>
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9 9
Hospitality and Tourism Management, MSHTM

The Master of Science in Hospitality and Tourism Management awards a degree that prepares students for leadership roles in the hospitality and tourism industry. The program values Mr. Steinfeld’s knowledge, experience, and generosity. With campuses on Chicago’s Michigan Avenue and in suburban Schaumburg, the school offers the only undergraduate and graduate programs in Illinois to prepare students for leadership careers in the hospitality and tourism industry. The industry is a major employer in the Chicago area and throughout the world; employees with academic degrees, work experience, and technology and research skills have an advantage over unskilled employees. A Roosevelt degree in hospitality and tourism management provides students with this valuable employment advantage.

No better place exists to learn this industry than the Chicago metropolitan area with its rich blend of ethnic cultures and cuisine, arts and entertainment, sports and recreation. The program prepares students in three areas of emphasis: lodging management; food and beverage management; and meeting and event management. Faculty members are committed to students and their professional growth as they integrate classroom study with the lively metropolitan workplace. Program participants may gain experience through professional partnerships with leading hotels, restaurants, meeting and convention facilities, associations, tourism offices, airline carriers, and others.

Manfred Steinfeld School of Hospitality and Tourism Management: World-Class Education in a World-Class City

The Manfred Steinfeld School of Hospitality and Tourism Management: World-Class Education in a World-Class City

1  BADM 401, ACCT 405, and PSYC 500 are prerequisites for FIN 408
2  FIN 408, MKTG 406, ECON 403, BADM 401, ACCT 405, and PSYC 500 are prerequisites for MGMT 489

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 405</td>
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<td>PSYC 407, 462, 463, or 530</td>
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<tr>
<td>PSYC 407, 462, 463, or 530</td>
<td>3</td>
<td>PSYC 500</td>
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</table>

Total Credit Hours 57

1  ACCT 405, and PSYC 500 are prerequisites for FIN 408
2  FIN 408, MKTG 406, ACCT 405, and PSYC 500 are prerequisites for MGMT 489

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Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>PSYC 407, 462, 463, or 530</td>
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<td>MKTG 406</td>
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<tr>
<td>MGMT 403, INFS 401, or MGMT 423</td>
<td>3</td>
<td>FIN 408</td>
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Total Credit Hours 57

1  BADM 401, ACCT 405, and PSYC 500 are prerequisites for FIN 408
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and research skills, and career opportunities through a blend of theory and practice. Theoretical areas of study include management theory and practice, operations analysis, organizational and leadership development, cultural diversity, and research methods. Professional areas of study include lodging management; food and beverage management; meeting, convention, and exhibition management; and other elective courses in hospitality and tourism, business, or training and development. Through intensive study, students engage in creative problem solving and apply research methods to issues and trends in the industry.

The ideal candidate for the Master of Science in Hospitality and Tourism Management at Roosevelt University is the management professional with significant industry experience, an individual who seeks an opportunity to develop professional competencies through a graduate program in the field. Such an individual may have an undergraduate degree in hospitality management, business, or in a related field. The graduate program also allows individuals seeking positions within hospitality management education to develop skills and understanding required in adult education. An interested professional whose credentials may differ from the background suggested as ideal may qualify for admission by enrolling in selected prerequisite courses prescribed by the graduate advisor.

**Admission**

All candidates seeking admission to the Master of Science in Hospitality and Tourism Management should submit a completed graduate application, an official transcript, a current resume, and a goal statement. Applicants must meet the requirements of Roosevelt University’s graduate division, which are outlined in the graduate admission section of this catalog. The director of hospitality and tourism management, who acts as the graduate advisor, interviews all candidates. Admission decisions are based on prior academic performance, work experience, career goals, and general suitability to the profession. Certain undergraduate prerequisite courses may be required based on an individual student’s academic or work experience background.

**Requirements**

The Master of Science in Hospitality and Tourism Management degree requires successful completion of at least 30 credit hours of graduate-level course work, including five core courses, one or more of the hospitality department’s graduate seminars, 400-level electives, and a graduate thesis or master’s project, a total of 10 graduate-level courses. The selection of seminar(s) is based on the student’s academic and professional objectives.

The Executive Master’s program in Hospitality Management requires the same 30 credit hours of graduate-level course work, as seen below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HOSM 400</td>
<td>ISSUES/TRENDS IN THE HOSPITALITY MANAGEMENT INDUSTRY</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 410</td>
<td>APPLIED RESEARCH METHODS IN HOSPITALITY MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 420</td>
<td>MANAGEMENT THEORY &amp; PRACTICE IN HOSPITALITY MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 430</td>
<td>HOSPITALITY OPERATIONS ANALYSIS</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 440</td>
<td>ORGANIZATIONAL DEVELOPMENT, MULTICULTURALISM, &amp; CULTURAL DIVERSITY</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 450</td>
<td>GRADUATE SEMINAR IN FOOD SERVICE</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 460</td>
<td>GRADUATE SEMINAR IN LODGING</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 470</td>
<td>GRADUATE SEMINAR IN MEETINGS &amp; EVENT MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 490</td>
<td>RESEARCH THESIS IN HOSPITALITY MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 499</td>
<td>MASTERS PROJECT</td>
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</table>

**Electives**

Three 400-level HOSM courses chosen in consultation with the graduate advisor

<table>
<thead>
<tr>
<th>Thesis or Project</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSM 490 or 499</td>
<td>3</td>
</tr>
</tbody>
</table>

A student who has not completed a thesis or other final project must maintain continued registration during fall and spring semesters until completion of the project by registering for the appropriate zero-credit course (course number followed by “Y”). Students who have not maintained continuous registration for thesis or other final project will be required to register for all intervening fall and spring semesters prior to graduation.

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**Year 1**

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<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
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<td>HOSM 410</td>
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<td>HOSM 430</td>
<td>3</td>
<td>HOSM 420</td>
<td>3</td>
</tr>
<tr>
<td>HOSM Elective 1</td>
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<td>HOSM Elective 2</td>
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<th>Year 2</th>
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<tbody>
<tr>
<td>Fall</td>
<td>Credit Hours</td>
<td>Spring</td>
<td>Credit Hours</td>
</tr>
<tr>
<td>HOSM 440</td>
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<td>HOSM Elective 3</td>
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<tr>
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<tr>
<td>HOSM 490 or 499</td>
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</table>

**Total Credit Hours 30**

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<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HOSM 400</td>
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<td>HOSM 410</td>
<td>3</td>
</tr>
<tr>
<td>HOSM 430</td>
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<td>HOSM 420</td>
<td>3</td>
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<td><strong>Spring</strong></td>
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### Year 2

<table>
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<th>Spring</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HOSM 440</td>
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<td>HOSM 450, 460, or 470</td>
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</tr>
<tr>
<td>HOSM Elective 1</td>
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<td>HOSM Elective 2</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6</strong></td>
<td><strong>Spring</strong></td>
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### Year 3

<table>
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<tr>
<th>Fall</th>
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<tr>
<td>HOSM 490 or 499</td>
<td>3</td>
</tr>
<tr>
<td>HOSM Elective 3</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>

**Total Credit Hours 30**

### Human Resource Management, MSHRM

The purpose of this program is for the student to gain a full understanding of the human resource function including, recruitment; selection; placement; training and career development; employee and labor relations; performance measurement; and resource planning. You will learn how legal issues, human behavior, labor relations, and diversity impact the modern organization.

Other courses expand on substantive areas in human resource management that are briefly covered in the introductory course. Psychological and sociological principles, statistical techniques, and practical business economics are blended to produce effective knowledge and skill for the specialist in human resource management.

Other departments in the university, such as economics and psychology, offer courses that enable students in human resource management to enhance their study of the employer-employee relationship. There is no substitute for experience in dealing with people in a work situation and students are advised to acquire such experience through part-time work or internships.

The Heller College of Business offers two programs in Human Resource Management at the graduate level: the Master of Business Administration (MBA) with a Concentration in Human Resource Management (see information under the MBA listing in this catalog), the Master of Science in Human Resource Management (MSHRM).

The Human Resource Management curriculum is designed to provide students with both comprehensive and in-depth coverage of modern HR specializations and current topics. The curriculum emphasizes coverage of theoretical and applied material in order to provide foundational HR knowledge as well as HR skills and competencies critical to any successful HR professional. The degree can be pursued either on a full- or part-time basis.

Additionally, to ensure the program meets with professional standards and practices and for ease of certification (PHR & SPHR), the program curriculum follows closely the Society for Human Resource Management graduate program guidelines. The program is formally recognized by SHRM as a program curriculum that is in alignment with the society’s recommended standards.

### Requirements

To complete the 30-credit-hour MSHRM program, students will successfully complete 10 courses (three credit hours each). The program has eight required courses and two elective courses, which are listed below. Students with prior course work or significant HR work experience in human resource management may petition to substitute a more advanced course for a core course with the approval of the graduate advisor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>HRM 400</td>
<td>STRATEGIC ISSUES IN HUMAN RESOURCES</td>
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</tr>
<tr>
<td>HRM 432</td>
<td>LABOR AND EMPLOYEE RELATIONS</td>
<td>3</td>
</tr>
<tr>
<td>HRM 434</td>
<td>EMPLOYEE SELECTION &amp; STAFFING</td>
<td>3</td>
</tr>
<tr>
<td>HRM 438</td>
<td>COMPENSATION MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>HRM 493</td>
<td>SEMINAR IN HUMAN RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 407</td>
<td>EXECUTIVE LEADERSHIP</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 470</td>
<td>ORGANIZATIONAL CHANGE AND DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>TRDV 400</td>
<td>INTRODUCTION TO TRAINING &amp; DEVELOPMENT</td>
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**Topic Elective Courses**

Select two of the following: 6

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<tr>
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<td>LEGAL ISSUES IN HUMAN RESOURCE</td>
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<tr>
<td>HRM 428</td>
<td>WORKPLACE DIVERSITY</td>
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<tr>
<td>HRM 430</td>
<td>EMPLOYEE BENEFITS</td>
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<tr>
<td>HRM 455</td>
<td>GLOBAL HRM</td>
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<tr>
<td>HRM 491</td>
<td>SPECIAL TOPICS IN HUMAN RESOURCE MANAGEMENT</td>
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<tr>
<td>HRM 495</td>
<td>HUMAN RESOURCE MANAGEMENT INDEPENDENT STUDY</td>
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<th>Fall</th>
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<tr>
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<td>1, 2</td>
<td>HRM 438</td>
<td>3</td>
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<tr>
<td>MGMT 407</td>
<td>3</td>
<td>MGMT 470</td>
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<tr>
<td>TRDV 400</td>
<td>3</td>
<td>HRM Elective #1</td>
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Total Credit Hours 9

### Year 2

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<td>HRM 434</td>
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<tr>
<td>HRM Elective #2</td>
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<tr>
<td>HRM 493 (Capstone)</td>
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Total Credit Hours 9

### Year 3

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</tr>
<tr>
<td>HRM 493 (Capstone)</td>
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</table>

Total Credit Hours 6

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1. HRM 400 is a prerequisite for HRM 432, HRM 434, and HRM 438
2. HRM 400, HRM 434, HRM 438, and MGMT 407 are prerequisites for HRM 493
3. MGMT 407 is a prerequisite for MGMT 470

### Organization Development, MAOD

With changes in globalization, information technology and managerial innovation, organizations need professionals to build systems to support and improve both people and performance in the workplace. Professionals in organization development help build adaptable organizations while advancing employee capabilities to achieve higher levels of success. The Master of Arts (MA) in Organization Development helps students develop expertise in the theories and practices of organization development, a systematic approach to improving productivity and competence in organizational settings. Students will complete 12 required courses (36 credit hours) to form a foundation of knowledge that will prepare them to assess organizational and individual needs, identify and implement solutions, and generate support for organizational changes.

Classes are taught by full-time and adjunct faculty, as well as industry leaders, who use analytical and creative approaches in a highly energizing, constructivist format that assures that students gain relevant knowledge and skills that transfer immediately to the workplace.

### Requirements

A total of 12 courses (36 credit hours) are required to complete the degree, including a master's portfolio.

The master's portfolio allows students to demonstrate their competency through reflection and assessment of previously completed projects as well as enhance their materials for professional presentations. A student who has not completed the portfolio must maintain continued registration during subsequent semesters until completion of the portfolio by registering for the appropriate zero-credit course. Students who have not maintained continuous registration for the portfolio will be required to register for all intervening fall and spring semesters prior to graduation.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ORGD 400</td>
<td>ORGANIZATION CULTURE &amp; BEHAVIOR</td>
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<tr>
<td>ORGD 410</td>
<td>VALUES AND ETHICS IN ORGANIZATION DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>ORGD 420</td>
<td>GROUP FACILITATION</td>
<td>3</td>
</tr>
<tr>
<td>ORGD 425</td>
<td>LEADERSHIP THEORIES AND APPLICATION</td>
<td>3</td>
</tr>
<tr>
<td>ORGD 435</td>
<td>ORGANIZATION DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>ORGD 430</td>
<td>OD INSTRUMENTS, ANALYSIS &amp; FEEDBACK OF DATA I</td>
<td>3</td>
</tr>
<tr>
<td>ORGD 440</td>
<td>OD INSTRUMENTS, ANALYSIS, AND FEEDBACK OF DATA II</td>
<td>3</td>
</tr>
<tr>
<td>ORGD 445</td>
<td>EXECUTIVE COACHING</td>
<td>3</td>
</tr>
<tr>
<td>ORGD 460</td>
<td>INTERVENTIONS &amp; APPLICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>ORGD 470</td>
<td>EVALUATION OF CHANGE AND INTERVENTIONS</td>
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</tr>
<tr>
<td>ORGD 485</td>
<td>LEVERAGING DIVERSITY</td>
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<th>Spring</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ORGD 400</td>
<td>3</td>
<td>ORGD 420</td>
<td>3</td>
</tr>
<tr>
<td>ORGD 435</td>
<td>3</td>
<td>ORGD 425</td>
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<td>ORGD 485</td>
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**Total Credit Hours 36**

### Year 2

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<tr>
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<td>ORGD 440</td>
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<td>ORGD 445</td>
<td>3</td>
<td>ORGD 499</td>
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</tbody>
</table>

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<th>Fall</th>
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<th>Spring</th>
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<td>ORGD 445</td>
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**Total Credit Hours 36**

### Real Estate, MSRE

Roosevelt University offers two master’s level programs in Real Estate: a Master of Science in Real Estate (MSRE) and a Master of Business Administration (MBA) (https://www.roosevelt.edu/RealEstate/Programs.aspx) with a concentration in Real Estate.

Real Estate students are supported by the Marshall Bennett Institute of Real Estate, which provides mentors, access to internships, multiple scholarships, professional development training, and industry forums. It also operates the Urban Retail Professional Development and Research Center with a library, study resources, and meeting facilities for Real Estate faculty and students. More information is available on the Marshall Bennett Institute of Real Estate (https://www.roosevelt.edu/real estate/) web page.

### About the program

The MSRE graduate degree program is designed for those seeking further knowledge and skills in the real estate industry. It is a specialized degree tailored to provide students with a knowledge that will prepare them for industry success and leadership.

The curriculum, which has an expanded offering of real estate courses, provides the academic and practical knowledge necessary to achieve success in a broad range of industry subsectors, such as real estate development, investments, property and asset management, finance, investment analysis, and project management. Specialized classes with an interdisciplinary approach combine foundational industry knowledge with practical real estate application. This program attracts individuals from throughout the real estate industry such as commercial and residential brokerage, architecture, construction, finance and lending, law, property management, urban planning, asset and investment management, and consulting.

Real Estate courses at the graduate and under-graduate level can be found in the course catalog under Courses A-Z.

### Requirements

Students in this specialized 31-credit hour program will take one online preparatory course, three Real Estate core courses and seven real estate electives (up to three business electives can be substituted as needed).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REES 401</td>
<td>REAL ESTATE PROCESS</td>
<td>3</td>
</tr>
<tr>
<td>REES 402</td>
<td>QUANTITATIVE METHODS REES</td>
<td>3</td>
</tr>
<tr>
<td>REES 403</td>
<td>FINANCIAL MODELING FOR REES</td>
<td>3</td>
</tr>
<tr>
<td>REES 411</td>
<td>REAL ESTATE FINANCE AND</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>INVESTMENT</td>
<td></td>
</tr>
</tbody>
</table>

### Electives

Select six of the following: 18

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>REES 405</td>
<td>URBAN LAND ECONOMICS</td>
</tr>
</tbody>
</table>
Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program’s degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student’s academic plan can look slightly different. No more than two grades of C (not C-) may be applied toward the 31 hours used for the degree. A graduate course can only be repeated once; no more than two courses can be repeated.

**Year 1**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REES 401</td>
<td>3</td>
<td>Elective 1</td>
<td>3</td>
</tr>
<tr>
<td>REES 402</td>
<td>3</td>
<td>Elective 2</td>
<td>3</td>
</tr>
<tr>
<td>REES 403</td>
<td>3</td>
<td>Elective 3</td>
<td>3</td>
</tr>
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<td></td>
<td>9</td>
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</table>

**Year 2**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REES 411</td>
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<td>Elective 6</td>
<td>3</td>
</tr>
<tr>
<td>Elective 4</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective 5</td>
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<td></td>
<td></td>
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<td></td>
<td>9</td>
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</tr>
</tbody>
</table>

**Total Credit Hours 30**

**Certificate**

**Real Estate Development, Certificate**

The Graduate Certificate in Real Estate Development offers academic and practical knowledge to achieve success in the property development sector of the real estate industry. The courses provide fundamental real estate knowledge, specific real estate development process knowledge and project efforts that would be applicable to many careers within the industry. The certificate is most useful to students who have experience in commercial real estate, however, students with residential real estate experience will also benefit from the concepts, application, and analysis provided in the courses.

Students completing the certificate will be given graduate level transcript credit for all of their courses completed with at least a “B” towards the Master of Science in Real Estate degree at Roosevelt. However, a student cannot pursue the MSRE degree and also receive the certificate.

**Program Objectives:**

To supplement a student’s experience in commercial real estate with fundamental real estate industry knowledge and specific information related to real estate development.

**Admission:**

A student must meet the admission requirements for pursuing a graduate-level business degree as outlined in the Graduate Admission Requirement section of the university’s website. A personal interview with the program director may be requested.

The courses in the Graduate Certificate in Real Estate Development are face-to-face class sessions held in the evenings at the Chicago Campus. Each course lasts 15 weeks. Students take four courses; the certificate program can be completed in two semesters, taking 2 classes at a time.
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REES 401</td>
<td>REAL ESTATE PROCESS</td>
<td>3</td>
</tr>
<tr>
<td>REES 411</td>
<td>REAL ESTATE FINANCE AND INVESTMENT</td>
<td>3</td>
</tr>
<tr>
<td>REES 421</td>
<td>REAL ESTATE LAW</td>
<td>3</td>
</tr>
<tr>
<td>REES 481</td>
<td>REAL ESTATE DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>12</td>
</tr>
</tbody>
</table>
ACADEMIC POLICIES

The university-wide academic policies (https://www.roosevelt.edu/policies/) that further appear in this section apply to all graduate programs. Students are responsible for acquainting themselves with these policies and following them. In addition, some of the university’s colleges and programs have additional policies that apply only to students enrolled in those particular programs. Students should consult the catalog section for their colleges and programs for policies specific to their programs.

Academic Definitions and Terminology

Degrees and awards
Roosevelt University currently offers a variety of master’s degree programs, doctoral programs, and certificate programs at the graduate level. Each specific degree offered in a college has its own unique requirements for completion. Students should refer to requirements listed for their chosen academic program.

Master’s Degree
The U.S. Department of Education defines a master’s degree as requiring the successful completion of a graduate program of study of at least the full-time equivalent of one, but not more than two, academic years of work beyond the bachelor’s degree. Master’s degrees at Roosevelt typically require the successful completion of between 33 and 39 credit hours and include coursework taken at Roosevelt as well as any coursework accepted for transfer by the graduate program. Transfer credit is generally limited to 9 credit hours at the master’s level.

Master’s degree students must complete their degree requirements within six years of their admission. Students may contact their program advisor or department chair if they wish to petition for degree completion extension.

Doctoral Degree
The U.S. Department of Education defines a doctoral degree as one requiring advanced work beyond the master’s level. The doctoral degree is awarded after a period of study that typically equals at least six full-time equivalent academic years. Completion of the doctorate requires successful completion of either a dissertation based on original research or an original project, or in the case of Pharmacy, coursework required for professional practice. Specific requirements for Roosevelt’s doctoral degrees are detailed in the catalog sections for those programs.

Doctoral students should consult their program’s requirements for degree completion on the individual program pages in this catalog.

Certificates and Diplomas
Certificates and diplomas certify satisfactory completion of a post-secondary education program. All Roosevelt certificates meet the regulatory requirements of the U.S. Department of Education, the Higher Learning Commission, and the Illinois Board of Higher Education.

- Post-baccalaureate certificates require completion of an organized program of study beyond the bachelor’s degree. They are designed for those who have completed a bachelor’s degree, but they do not meet the requirements of a master’s degree.

- Post-master’s certificates require completion of an organized program beyond the master’s degree, but do not meet the requirements of academic degrees at the doctoral level.

Dual Degrees
A dual degree refers to a student completing the requirements of two distinct degree programs simultaneously. An example of a dual degree is: a student completing both a Master of Arts in Industrial-Organizational Psychology and a Master of Business Administration. Students in dual-degree programs must fulfill all requirements for both degrees as well as any prerequisite or other requirements associated with both/either degrees. Typically this requires more credit hours than either degree alone.

Accelerated Bachelor’s + Master’s Programs
Accelerated Bachelor’s/Master’s degree programs involve an accelerated pathway from an undergraduate degree to a graduate degree. In these accelerated programs, up to 9 credit hours of identified courses taken in the senior year of the student’s undergraduate degree program can be applied to the graduate degree program.

Other Definitions

Catalog Year
A student’s ‘catalog year’ determines the degree requirements for that student, based on the catalog at that time. Typically, the catalog year is the academic year in which a student entered the university.

Any student may update their original catalog year to the current catalog year with the approval of their advisor, using this form: Declaration/Change of Program form (https://www.roosevelt.edu/~/media/Files/pdfs/registrar/Change-of-Program-UG.ashx). Students who change majors will have their catalog year updated to the current catalog year. Former degree-seeking students who have been away for three years or more must comply with degree requirements in the current catalog.

Concentration
A concentration provides a thematic focus of study through 9 credit hours or more of interrelated courses in a subject area. Students pursuing a concentration must be enrolled in a degree program. Concentrations as stated in the degree program sections of the Catalog. Students should consult with their program advisors about requirements and procedures related to concentrations.

Grade Reports
Final grade reports are available to students in RU Access, the university’s online student records system; no grade reports are mailed. The grade report includes credit hours completed, quality points, and term, and cumulative grade point averages. Academic standing also is indicated on the grade report. However, grade reports are not official transcripts.

Phase-Out Programs
The university may decide to phase out certain programs at any time as conditions warrant. The university will work closely with students who are matriculating in a phase-out program to ensure that they can successfully complete a degree. Depending on a student’s enrollment status, progress toward completion, and availability of courses in the phase-out program, a change in program may be necessary to complete a degree.

Transcripts
The transcript is the official academic record for a student at Roosevelt University. Official transcripts are issued directly to institutions and
employers. Students may also request a transcript marked “Issued to Student.” No transcript will be issued if the student owes the university money or has any other encumbrance. Information about the cost of transcripts and the procedure for ordering is available on the Transcripts (https://www.roosevelt.edu/current-students/get-help/request-transcript/) website.

Academic Standing

Calculation of Academic Standing

Academic standing is an end-of-term status, which means a student must complete at least one term of coursework before having a calculated academic standing. Academic standing is updated after final grades have been posted for the fall and spring semesters and after the last summer session. Academic standing is identified on a student’s transcript and visible in RU Access; academic standing is based on the student’s performance at the grade submission deadline. Students are expected to understand both their program and university academic standing requirements and review their academic performance with their advisors after every enrolled semester.

Grades counted toward a Graduate Degree

No more than two grades lower than B- may be applied to master’s degrees and no grades lower than B- may be applied toward a doctoral degree. The grades of D+, D, D-, or F cannot be counted toward any graduate degree program. Additionally graduate courses that are a part of a degree program may not being eligible for Pass/Fail grading. Additionally graduate courses that are a part of a degree program may not being eligible for Pass/Fail grading.

Courses that do not Count towards RU GPA

- Transfer credit grades are not included in the overall Roosevelt grade point average. Transfer coursework taken elsewhere for a higher grade cannot be used to improve academic standing.
- Developmental courses (most English Language Program courses).
- Undergraduate coursework.

Conditional Admission

This is the only academic standing that is not based on end-of-term academic performance.

Some master’s degree programs allow students to enter their degree programs on a conditional basis with GPAs below the level required for admission. Registration for students admitted conditionally will likely be limited to 6 credit hours. Students admitted conditionally must earn a 3.0 GPA in the first term to remain in their programs. Doctoral programs typically do not admit students conditionally.

Notification of Academic Standing

Students’ graduate programs notify students through their official Roosevelt email address when they are placed on probation, continued on probation, suspended, or dismissed. Students who appeal their probationary, suspension, or dismissal status will be notified of the outcome of their appeal by Roosevelt email and any email or postal address students use to send in their appeal. Copies are sent to the student’s graduate advisor and relevant university offices.

Good Standing

Master’s degree students: A master’s degree student who has completed at least one course that counts toward the GPA, has a cumulative Roosevelt GPA of 3.0 or higher and has earned no more than two grades below B- in the current degree program is considered to be in good academic standing. Some programs may require grades of B- of better for students to achieve competency status. Students may refer to the program manuals or the graduate catalog for the program.

Doctoral degree students: A doctoral student who has completed at least one course that counts toward the GPA and has a cumulative Roosevelt GPA of 3.25 or higher is considered to be in good academic standing.

No Standing Calculated

This category is reserved for students who did not complete any coursework that counts toward the Roosevelt GPA. This academic standing is not punitive in any way and students with no standing calculated have the same academic opportunities as those in good standing.

Placed on Probation

Students who are placed on probation or fear that they may be placed on probation should see their graduate program’s advisor or their department chair immediately. The advisor/chair will be able to help determine the best strategy for a return to good academic standing.

Master’s degree students: A student whose overall grade point average falls below 3.0 or who earns more than two grades below B- will be placed on probation.

Doctoral degree students: A student whose overall grade point average falls below 3.25 or who earns any grade below B- will be placed on probation.

Continued on Probation

Master’s and doctoral degree students: A student’s status can be “continued on probation” if the student has not yet taken the 6 credit hours allotted for return to good academic standing.

Returning to Good Academic Standing

Master’s degree students: Students who raise their Roosevelt GPA to at least a 3.0 average and have no more than two grades below B- remaining on their record will no longer be on probation.

Doctoral degree students: Students who raise their Roosevelt GPA to at least a 3.25 average and have no more than one grade below B- remaining on their record will no longer be on probation.

Deadline for Returning to Good Academic Standing

Students must return to good academic standing as soon as possible and should follow these guidelines:

- A student placed on probation after the fall term should return to good standing no later than the end of the following fall term, or within 6 credit hours, whichever comes first.
- A student placed on probation after the spring term should return to good standing no later than the end of the following spring term, or within 6 credit hours, whichever comes first.
- A student placed on probation after the summer term should return to good standing no later than the end of the following spring term, or within 6 credit hours, whichever comes first.

Strategies for Returning to Good Academic Standing

These strategies may be used by either master’s or doctoral students to improve academic standing. Both require that students first meet with an advisor in the graduate program in which they are enrolled. After
following one or both of the strategies below, a student on probation could return to good standing.

- **Retaking a course:** With advisor approval, a student may retake up to two different courses for a maximum of 7 credit hours to improve grades; a particular course may be retaken no more than once. When courses are retaken, the higher grade becomes the official one for the course and the one used to calculate the Roosevelt GPA and academic standing.

- **Excluding a grade:** If a low grade is received in an elective course, the student may petition to exclude the grade from the overall GPA. The advisor will confirm that the course is not required for the degree program and will forward a petition form to officially request exclusion of the course from calculation of the overall GPA. (Important: The grade will still appear on the transcript but will not be used in GPA or academic standing calculation.

### Academic Suspension

Students who fail to return to good standing within the guidelines described above will be suspended and will not be allowed to register again until they have been reinstated.

### Academic Dismissal

Dismissal is the final step in the academic standing process. Students who have failed to present an acceptable plan for returning to good standing or who fail to earn adequate grades to return to good standing face dismissal from their programs. A student who is dismissed will not be allowed to register for further graduate courses.

In addition, a student may be dismissed immediately, without probation, under these circumstances:

- **Dismissal for a second probation:** Students placed on probation for a second time may be dismissed immediately.

- **Dismissal for D and F grades:** Students receiving two or more grades of D+, D, D- or F in one semester or in two consecutive semesters face immediate dismissal, without first being placed on probation.

- **Dismissal for reasons other than grades:** If the program in which a student is enrolled determines that the student has failed to meet other standards required in the field, the program may recommend dismissal.

To compute grade point averages, Roosevelt University uses a four point system:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Grade Point per Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.6</td>
</tr>
<tr>
<td>D+</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.67</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
</tbody>
</table>

1. Compute quality points by multiplying the point value assigned to the grade by the number of semester hours for that course. For example, an A in a three-credit hour course equals 12 quality points, a B in the same course, nine quality points, etc. In the case of repeated courses, only the higher grade is counted.

2. Compute quality hours by adding the total number of credit hours attempted for A-F grading, including failed courses (even those designated “pass/fail”). No points are assigned to an F, but the credit hours of a failed course are counted in computing the grade point average. Grades of W, F, S, I and IP do not affect the GPA, nor does the designation “CR” for transfer credits on a credit evaluation.

3. Grades preceded by an asterisk (*A, *B, etc.) are used for developmental courses and do not count in earned hours or the GPA.

4. To obtain the GPA, divide a total number of quality points by the total number of quality hours. For example, the GPA for a student with 61 credit hours including 16 credits A, 9 credits A-, 6 credits B+, 27 credits C, and 3 credits D-, is computed as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Quality Hours</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>16 X 4</td>
<td>64</td>
</tr>
<tr>
<td>A-</td>
<td>9 X 3.67</td>
<td>33.03</td>
</tr>
<tr>
<td>B+</td>
<td>6 X 3.333</td>
<td>19.99</td>
</tr>
<tr>
<td>C</td>
<td>27 X 2</td>
<td>54</td>
</tr>
<tr>
<td>D-</td>
<td>3 X 0.67</td>
<td>2.01</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>61 HOURS</strong></td>
<td><strong>173.03 PTS</strong></td>
</tr>
</tbody>
</table>

Divide total quality points by quality hours to get the GPA. In this example, the GPA would be 2.83.

### ROOSEVELT CUMULATIVE GPA

All determinations of academic status and standing, degree requirements and honors are based only on the Roosevelt University GPA.

### Appeals for Reinstatement

Appealing for reinstatement to a graduate program after suspension or dismissal is possible, but requires several steps.

Students should:

1. Reflect on what personal and/or academic circumstances contributed to their academic under-performance. Consider what changes to these circumstances may support improved academic performance.
2. Submit a written appeal for reinstatement to their program advisor, detailing what contributed to their under-performance and what personal and/or academic changes have been or will be made that better position them for academic success.
3. Meet with their program advisor to discuss the appeal. Their advisor may suggest strategies such as retaking, substituting, or excluding a course (described above) from the GPA to improve academic standing. The advisor will then submit the student’s appeal to the program faculty for review and a decision on reinstatement.
4. Await notification of the decision, which is sent via RU email from the student’s program.

A student who wishes to appeal the program faculty’s decision may ask for review by the Executive Committee of Graduate Council. The student’s program will forward the appeal and the program’s decision to the chair of the Graduate Council. If the appeal is approved, the student
will be notified via RU email and allowed to register. The decision of the Executive Committee of the Graduate Council is final on matters of academic standing. At times when the Executive Committee of Graduate Council is not scheduled for meetings, the college dean acts in place of that body.

Course and Credit Information

Definitions

Credit Hours
Credit for academic work completed at Roosevelt University is earned in credit hours. Credit hours for each course are listed in the catalog and the course schedule. The number of credit hours determines the hours of active or scheduled instruction required in a course ("contact hours"). For example, a 3 credit-hour course requires 37.5 contact hours per term. For non-standard course formats (e.g., online) to receive equivalent credit, they must meet similar curricular goals and outcomes. That is, the course must contain similar content, goals, objectives, and learning outcomes. Longer periods are required for one credit hour in laboratory courses and certain applied courses in art, drawing and music.

Course Load
A graduate student is considered full-time if they are enrolled in a minimum of nine credit hours per academic term). However, six credit hours of graduate work qualify for full-time status in terms of federal financial aid.

No student is permitted to take more than 12 credit hours without the written consent of the dean of the college in which the student is enrolled. The university reserves the right to limit students' programs when it is obvious that students have enrolled for more work than they can handle successfully.

International Student Course Load
Students in F-1/J-1 status must be full-time (per the course load definitions above) during the fall and spring terms. Summer attendance is not required.

Course Numbering System
Courses offered at Roosevelt University are identified by a subject area abbreviation and a course number. Course numbers differentiate courses that are appropriate for particular populations of students and identify varying levels of content in programs of study.

Graduate-level courses are numbered from 400 to 799.

Prior Learning Credit
Prior Learning Assessment (PLA) is the process by which an individual's experiential learning is assessed and evaluated for purposes of granting academic credit, certification, or advanced standing toward further education or training (CAEL, 2017). Roosevelt students can apply for PLA credit if their graduate program has an approved process for evaluation listed in the graduate catalog.

PLA credit is evaluated and approved by the graduate program or department. The learning experience that students seek credit for must have been accomplished prior to admission to a graduate program at Roosevelt University.

In accordance with the processes outlined by the student's program of study, an Application for Prior Learning Assessment must be filled out completely and submitted to the program or department at admission. A fee must be paid for each semester hour of academic credit that is awarded through an approved PLA process. PLA credit is awarded in the second semester of a successful graduate study at Roosevelt University.

Individual departments and programs determine the amount of academic credit that may be awarded. No more than 12 semester hours of academic credit may be awarded by any program or department through Prior Learning Assessment.

Students who have been granted graduate transfer credits from another institution cannot be granted additional PLA credits beyond the 12 semester hour limit noted above. Likewise, students who have been granted PLA credits cannot be granted additional transfer credits beyond the 12 semester hour limit.

Graduate programs and/or departments seeking approval to offer PLA credit should first consult with and obtain the approval of the Provost and the Deans Council. Thereafter, programs and/or departments should follow established college policies and procedures for the approval of modifications to graduate curriculums.

Thesis, Internship, Practicum, and Dissertation
Some programs require an internship, thesis, practicum, or dissertation for degree completion. Registration must be approved by the graduate advisor and completed in the Office of the Registrar. A student who has not completed a thesis, internship, dissertation, or other final projects by the end of the original term must maintain continuous registration during fall and spring semesters until completion of the project. See the How to Register (https://www.roosevelt.edu/current-students/academics/register-classes/) webpage (https://www.roosevelt.edu/current-students/academics/register-classes/) for more detail on procedures for registering for an individualized section.

For master's students, except in the Chicago College of Performing Arts, students must register for the zero-credit course (course number followed by "Y") to maintain continuous registration for thesis, dissertation, internship, or other final project courses, as directed by their program of study.

Grading and Grade Options

Auditing Course
Students may audit selected courses. Students auditing a course attend classes consistent with the instructor's attendance policy and may participate in any or all course requirements and examinations. No academic credit is granted for the course, and the grade of audit (AU) is the only grade recorded. It cannot be changed to another grade at a later date. The cost of an audited course is 50% of the regular tuition plus all applicable fees. Students should indicate that they wish to audit the course at the time of registration, but no later than one week after the start of the term. For more detail, please see procedures for registering (https://www.roosevelt.edu/current-students/academics/register-classes/) for an audit course.

Grades
A student's academic progress is indicated by grades A, A-, B+, B, B-, C+, C, C-, D+, D, D- or F in completed courses. The grade of D is unacceptable toward graduate degree programs. Only two courses with grades of C may be counted toward completion of a graduate degree. Only one "C" grade may count toward completion of doctoral programs in the College of Arts and Sciences and the College of Education. No credit is awarded for a grade of F. Second examinations to raise final grades or to make up failures are not permitted.
P/F (pass/fail)
Graduate students may have the option to register for courses with a pass/fail grade option. The number of credit hours of such courses allowed to count toward a degree varies by program. Some degree programs also have required courses that must be taken as pass/fail. Students should consult with a faculty advisor regarding pass/fail options pertaining to their particular degree program. Students should indicate that they wish to take the course pass/fail at the time of registration, but no later than one week after the start of the term.

IP (in progress)
The grade IP (in progress) is given only for specific courses (such as independent study, thesis, dissertation, practicum, or internship) that may have a span of two or more semesters.

I (incomplete)
A grade of incomplete may be given only with the consent of the instructor and appropriate notification to the Office of the Registrar and the instructor's dean or department chair.

A student should only receive an Incomplete grade if:

- The student initiates the request for an incomplete grade before the end of the academic term; and
- The student is in good standing the course and has completed a majority of the course requirements (usually at least 75% of the coursework); and
- A medical condition or other serious, non-academic extenuating circumstance (as documented with the Office of the Dean of Students) prevents them from completing a small portion of the coursework required to complete the course prior to the end of the term; and
- The required work may be reasonably completed in an agreed-upon timeframe with the faculty member (no later than the end of the next semester, excluding summer); and
- The required work does not require the student to retake any portion of the course.

When entering an Incomplete grade in RU Access the instructor will be required to complete the “I-grade contract” for any student receiving an I grade. Instructors must also communicate to the student via RU email the details listed in the “I-grade contract” (the work to be done and the due dates). If a student’s medical condition or personal circumstances prevents them from communicating with the instructor, a staff member may reach out to the instructor on the student's behalf. However, the instructor of the course is still responsible for communicating directly with the student via RU email regarding the incomplete grade and the terms of the I-grade contract.

Students must complete the course requirements by the date that the instructor has set, as indicated in the I-grade contract. If no date is indicated, students must complete the course requirements prior to the end of the following semester.

For work completed within the deadline, the incomplete grade will be removed when:

- The instructor manually updates the final grade using a grade update form, changing the I grade to a letter grade evaluating the student's academic performance (A, B, C, D, P, F); OR
- If the instructor does not update the grade before the end of the following semester (excluding summer), the Registrar will convert incompletes that have no grade submitted and no extension granted to the default grade (A, B, C, D, or F). The default grade is the grade submitted by the faculty member at the time when the original incomplete grade was granted. If no default grade is specified, a grade of F will be automatically submitted.

W (withdrawal)
Students may withdraw from a course and receive a grade of “W” upon written request submitted to the Office of the Registrar by the published deadline on the Important Dates and Course Schedule page. Approval by a financial aid counselor is also required if the student is receiving financial aid. Students should also inform their instructor of their intention to drop courses. After the published deadline, no grade of W will be permitted for academic reasons, and the student will be graded solely on academic performance at the end of the term. Stopping attendance or notifying an instructor, advisor, or any other staff or faculty member is not considered an official withdrawal. It may result in receiving a failing grade and being responsible for the full tuition payment. See the Important Dates and Course Schedule page for details on withdrawals, refunds, and petitions for late withdrawal for non-academic reasons.

Late Withdrawal
A student wishing to withdraw from a course after the withdrawal deadline has passed may petition for a late W grade. Petitions for a Late Withdrawal are entertained only because of extraordinary non-academic circumstances, such as unforeseen medical or other personal circumstances that have significantly and unexpectedly inhibited the student's ability to complete the course(s). Students may request a late withdrawal at any time within one calendar year of course completion. The Petition for Late Withdrawal and information on the approval process is available through the Office of the Dean of Students.

Repeated Courses
Students may retake a course with a grade of C or lower. This requires approval by the program director. Students may repeat up to two courses for a maximum of 7 credit hours to improve grades. Both grades of a repeated course remain on the academic record; however, only the course with the higher grade is used in computing the grade point average and counted toward degree completion. This policy does not entitle the student to a retroactive degree and does not change the historical recording of academic standing.

For more information, please see procedures for repeating courses. For information on repeated courses’ eligibility for financial aid is available on the Financial Aid web pages.

Changes to Class Sections
The University reserves the right to close sections of classes and/or to add new sections of classes as conditions warrant. In addition, the University reserves the right to change instructors from those listed in the Class Schedule whenever such a change is necessary. If a student is registered for a class that is canceled, that student will be dropped automatically and receive a notification in their Roosevelt email. Students should consult with their advisor to find an alternative course.
Students receiving financial aid should consult their counselors regarding implications for their aid.

**Graduation Policies**

**Application for Graduation**

*Students expecting to graduate must complete a graduation application by the published deadline on the Graduation Deadlines webpage. An application is required for degree conferral; the application can be found in RUACCESS. There is a $100.00 late fee applied for applications received after the published deadline; there are no exceptions. Participating in the commencement ceremony is optional and separate from the graduation application and the conferral of a degree.*

**Commencement Participation**

Roosevelt University holds commencement in May. Students may participate in the commencement ceremony within one term of their degree conferral. Students may request to participate in a ceremony outside of their graduation term by contacting Graduation Services and submitting a Ceremony Participation Request Form. Participation is based on space available and is not guaranteed. Contact Graduation Services for more information.

**Graduation Fiscal Policy**

Students who wish to participate in commencement must be in good fiscal standing with the University in order to participate in the ceremony or receive tickets for guests. Review the university's Graduation Fiscal Policy (https://www.roosevelt.edu/policies/university-policies/up-3-student-services/up-3-13-graduation-fiscal-policy/) for more information.
UNDERGRADUATE COURSES
ACCOUNTING (ACCT)

ACCT 210 - PRINCIPLES OF ACCOUNTING I
Formerly Acct 101. Accounting process and use of accounting information in business decisions. Topics include accounting equation, data accumulation, accounting cycle, financial reports, and basic accounting principles.

Credits: 3
Prerequisites: MATH 110 or MATH 116 or MATH 121
Course Notes: Req'd prereq or qualification into MATH 121., Internet required.

ACCT 211 - PRINCIPLES OF ACCOUNTING II
Formerly Acct 102. Accumulation and use of accounting information by management in planning and controlling business activities. Topics include cost accounting, cost-volume-profit relationships, and budgets.

Credits: 3
Prerequisites: ACCT 210 and (MATH 110 or MATH 116 or MATH 121)
Course Notes: or qualification into MATH121. Internet required.

ACCT 304 - INTERMEDIATE ACCOUNTING I
Generally accepted accounting principles; conceptual framework underlying financial accounting, measurement and recognition of assets, and measurement and recognition of liabilities.

Credits: 3
Prerequisites: ACCT 210 and ACCT 211 and (MATH 110 or MATH 116 or MATH 121)
Course Notes: or qualification into MATH121. Internet required.

ACCT 305 - INTERMEDIATE ACCOUNTING II
Continuation of Acct 304. Stockholders' equity, income measurement theory, and preparation and analysis of financial statements.

Credits: 3
Prerequisites: ACCT 304
Course Notes: or qualification into MATH121

ACCT 305R - INDIVIDUAL TAX
This course is intended to give the students a practical, hands-on experience in preparing tax returns for individuals. Topics covered include: taxpayer filing status, dependency exemptions, taxable vs. non-taxable income, adjustments to taxable income, itemized and standard deductions and various tax credits. Students are also introduced to tax research sources including IRS codes and regulations. (Prerequisite: ACC 280)

Credits: 3
Prerequisites: ACC 280

ACCT 310 - CORPORATE TAX
This course is an overview of corporate taxation. Topics covered include: corporate formation, liquidating and non-liquidating distributions, partnership formation, S-corporations, gift tax, estate tax, and administrative procedures. Students are also introduced to tax research sources including IRS codes and regulations. (Prerequisite: ACC 280)

Credits: 3
Prerequisites: ACC 280

ACCT 311 - ACC FORENSIC SYS
Credits: 3
Prerequisites: ACC 111

ACCT 313 - COST & MANAGERIAL ACCOUNTING
Accumulation and analysis of accounting information for management decisions. Job order and process cost accumulation; master budgets and responsibility accounting; flexible budgets, standards, and variance analysis; relevant costs for decision making: joint costs and cost allocation.

Credits: 3
Prerequisites: ACCT 210 and ACCT 211 and MATH 110

ACCT 320 - ADVANCED ACCOUNTING
Accounting theory for partnerships and fiduciaries; advanced corporate concepts. Investments, business combinations, branches, consolidated financial statements, corporate reorganizations, installment sales, and consignments.

Credits: 3
Prerequisites: ACC 304 and ACC 305 (may be taken concurrently)

ACCT 330 - PRINCIPLES OF AUDITING
Principles, practices, and procedures employed in examination of financial statements. Professional ethics, auditors' legal responsibility, generally accepted auditing standards, audit procedures, and reports on financial statements.

Credits: 3
Prerequisites: ACC 304 and ACC 305

ACCT 337 - INTERNATIONAL ACCOUNTING
International standards for accounting, financial statement presentation, and auditing. Accounting for importers, exporters, and multinational corporations. Foreign exchange rates and markets, controlled economy accounting, social responsibility reporting, political bribery, political risk, inflation accounting, and international taxation.

Credits: 3
Prerequisites: ACC 305

ACCT 352 - FINANCIAL STATEMENT ANALYSIS
Use of financial statements in interpreting financial condition for purposes of internal control or external evaluation. ACCT 304 strongly recommended. Crosslisted with FIN 352.

Credits: 3
Prerequisites: ACC 304 and FIN 311

ACCT 360 - AUDITING
This course is the first in a two-part sequence studying the professional requirements of auditors as outlined by the American Institute of Certified Public Accountants (AICPA), the Securities and Exchange Commission (SEC), and the International Federation of Accountants (IFAC). Audit topics include: the auditing profession, the auditor's professional standards, ethics standards, planning the audit, audit evidence, testing procedures, internal controls, auditor's standard audit report, and audit report opinions.

Credits: 3
Prerequisites: ACC 280

ACCT 370 - INCOME TAX LAW AND PROCEDURE
Income tax fundamentals and taxation of individuals. Gross income, exclusions, deductions, exemptions, credits, and transactions in property.

Credits: 3
Prerequisites: ACCT 210 and ACCT 211 and MATH 110
Course Notes: or qualification into MATH121

ACCT 395 - GOVERNMENTAL ACCOUNTING
Accounting and financial reporting principles of governmental and not-for-profit organizations. Fund accounting principles, budgetary accounting, and financial reporting practices.

Credits: 3
Prerequisites: ACC 280
Course Notes: or qualification into MATH121

ACCT 396 - GOVERNMENTAL ACCOUNTING
Accounting and financial reporting principles of governmental and not-for-profit organizations. Fund accounting principles, budgetary accounting, and financial reporting practices.

Credits: 3
Prerequisites: ACCT 211
Course Notes: or qualification into MATH 121

ACCT 397 - GOVERNMENTAL ACCOUNTING
Accounting and financial reporting principles of governmental and not-for-profit organizations. Fund accounting principles, budgetary accounting, and financial reporting practices.

Credits: 3
Prerequisites: ACCT 210 and ACCT 211 and MATH 110
Course Notes: or qualification into MATH121
ACCT 361 - AUDITING 2
This course is the second in a two-part sequence studying the professional requirements of auditors as outlined by the American Institute of Certified Public Accountants (AICPA), the Securities and Exchange Commission (SEC), and the International Federation of Accountants (IFAC). Audit topics include: specific auditing procedures for assets, liabilities, equity, revenues, and expenses; end of audit procedures, audit report considerations, non-audit professional services, and statistical sampling techniques.
Credits: 3
Prerequisites: ACCT 280

ACCT 390 - TOPICS IN ACCOUNTING
Topics will focus on emerging issues in the accounting profession. Check class schedule for specific topics and prerequisites by clicking on the red five-digit CRN.
Credits: 3
Prerequisites: ACCT 211

ACCT 390R - ACCOUNTING RESEARCH & ANALYSIS
This capstone course analyzes accounting problems from a senior management perspective by integrating and applying previous coursework. Through case studies, research and business simulations, students will develop strategic plans and policies for specific companies. Analysis will include: trend and ratio analysis; review of accounting and audit practices, written responses to current exposure drafts; and oral presentations of research and strategy outcomes. (Prerequisite: ACC 280; recommended ACC 281, 380, 460)
Credits: 3
Prerequisites: ACC 280

ACCT 395 - INDEPENDENT STUDY
Students work under direction of an accounting faculty member on projects selected by student and approved by supervising faculty member, department chair, and college dean.
Credits: 1-6
Course Notes: Consent

ACCT 398 - PROFESSIONAL ACCOUNTING INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to undergraduate business program.
Credits: 1-3
Course Notes: This prerequisite applies to students entering in on the 2018-, 2019 academic catalog and later. Students admitted before, this time should follow the catalog they were admitted under. Internship requirements vary by assignment; consent is, required by the instructor.
ACTUARIAL SCIENCE (ACSC)

ACSC 101 - ACTUARIAL CAREER
Introduce students to the diverse field that encompasses actuarial science. The focus will be on exploring the many paths that actuaries can embark upon (life, pension, health, consulting, property & casualty, and other alternatives). The course will also incorporate the development of certain soft skills such as public speaking, presentations, debate, where appropriate.
Credits: 1
Course Notes: For students interested in Actuarial Science and, related fields.

ACSC 246 - LINEAR ALGEBRA
Vector spaces; linear transformations and matrices; inner products and orthogonality; eigenvalues; eigenvectors; and diagonalization.
Credits: 3
Prerequisites: MATH 231 or MATH 245 or MATH 290

ACSC 309 - DATA MINING
Methods of knowledge discovery in massive data, i.e. the study of computer-assisted process of digging through and analyzing enormous data sets and then extracting the 'meaning' of the data by applying mathematical methods. The methods that we study in this course are designed to predict behaviors and future trends based on existing data. Topics include classifications techniques, clustering techniques, association rule discovery techniques, techniques for improving data quality. See Cst 309.
Credits: 3
Prerequisites: (MATH 246 or ACSC 246) and (MATH 217 or ECON 234 or SOC 291 or MATH 238 or MATH 347 or ACSC 347)

ACSC 323 - COOPERATION AND COMPETITION -- GAME THEORY AND APPLICATIONS
Study of the ways in which strategic interactions among autonomous agents produce outcomes with respect to the preferences (or utilities) of those agents. This course covers game-theoretic foundations of cooperative and non-cooperative behavior of independent agents. The course emphasizes applications drawn from artificial intelligence, decision theory, economics, psychology, business management and finance. See Cst 310.
Credits: 3
Prerequisites: (MATH 246 or ACSC 246) and (MATH 217 or ECON 234 or SOC 291 or MATH 238 or MATH 347 or ACSC 347)

ACSC 328 - LINEAR PROGRAMMING & OPTIMIZATION
Models of optimization with linear constraints and objectives; simplex method and related algorithms; duality and sensitivity; transportation and assignment problems, games, and network flows. See Cst 328.
Credits: 3
Prerequisites: MATH 246 or ACSC 246

ACSC 347 - PROBABILITY THEORY
Probability models; random variables; probability distributions; expectation and moment generating functions of random variables; multivariate distributions. See MATH 347.
Credits: 3
Prerequisites: MATH 233 (may be taken concurrently)
Course Notes: or concurrent.

ACSC 348 - MATHEMATICAL STATISTICS
Distributions of functions of random variables, sampling distributions; Central Limit Theorem; point estimators and confidence intervals; hypothesis testing; linear models. See MATH 348.
Credits: 3
Prerequisites: ACSC 347 or MATH 347

ACSC 349 - REGRESSION & TIME SERIES
Simple and multiple linear regression models; time series analysis; applications to forecasting; statistical software. See MATH 349.
Credits: 3
Prerequisites: (MATH 231 and (MATH 217 or ECON 234 or SOC 291)) or ACSC 348 or MATH 348

ACSC 366 - ADVANCED EXCEL METHODS
An advanced computer use course emphasizing the advanced use of Microsoft Excel to structure and solve real-world problems which can arise in any discipline. Students will learn to model problems, apply logic to their models, import and groom data from a variety of sources, organize and evaluate data using pivot tables and charts, performing what-if analysis using scenarios, create solver models for more complex problems, and automate tasks in Excel using Macros & VBA for Excel.
Credits: 3
Prerequisites: CST 150
Course Notes: Cross-Listed with CST 366

ACSC 367 - FINANCIAL MATH
Mathematics of interest, accumulated value, and present value; annuities certain; amortization schedules and sinking funds; bonds and related securities; depreciation; rates of return; spot and forward rates of interest; cashflow duration and immunization; stocks, mutual funds, fixed income. Financial calculator. See MATH 367.
Credits: 3
Prerequisites: MATH 232

ACSC 369 - MODELS FOR LIFE CONTINGENCIES
Survival distributions and life tables; life insurance; life annuities; benefit premium; premium calculation.
Credits: 3
Prerequisites: (ACSC 347 or MATH 347) and (ACSC 367 or MATH 367 (may be taken concurrently))
Course Notes: or concurrently

ACSC 378 - TOPICS IN ACTUARIAL MATH
Selected topics in actuarial models and actuarial modeling. May be repeated for up to six semester hours credit.
Credits: 1,3
Course Notes: Consent of Instructor

ACSC 380FM - ACTUARIAL SCIENCE SEMINAR: EXAM FM/2
Preparation for the Society of Actuaries Exam FM and the Casualty Actuarial Society Exam 2.
Credits: 3
Prerequisites: ACSC 367 or MATH 367
Course Notes: Preparation for Exam FM.

ACSC 380P - ACTUARIAL SCIENCE SEMINAR: EXAM P/1
Preparation for the Society of Actuaries Exam P and the Casualty Actuarial Society Exam 1.
Credits: 3
Prerequisites: ACSC 348 (may be taken concurrently) or MATH 348 (may be taken concurrently)
Course Notes: Preparation for Exam P, ACSC 347 with a min grade of C- or concurrent, or MATH 347 with a min grade of C-
ACSC 390 - INDUSTRIAL RESEARCH PROBLEMS
Students work on a semester long research project solving a real world problem from industry using various methods of mathematical modeling. Problems vary by semester.
Credits: 3
Prerequisites: MATH 232
Course Notes: Capstone

ACSC 395 - INDEPENDENT STUDY
Credits: 1-6
AFRICAN&AFRO-AMERICAN STUDIES (AFS)

AFS 101 - INTRODUCTION TO AFRICAN STUDIES
Interdisciplinary approach to understanding the role of Africa and its peoples in world history. How Africans shaped their cultures and lives in both ancient and modern times.
Credits: 3
Attributes: International Studies, Non-western Culture, Social Science

AFS 102 - INTRODUCTION TO AFRICAN-AMERICAN STUDIES
Interdisciplinary profile of worldwide experiences of persons of African descent from antiquity to the present. Emphasis on the American experience in the arts, the workplace, politics, religion, and race relations.
Credits: 3
Attributes: Non-western Culture, Social Science

AFS 207 - INTRODUCTION TO AFRICAN-AMERICAN LITERATURE
African American literature is a dynamic resource for understanding numerous individual, communal, and societal needs. This survey will highlight canonical and emerging African-American authors from the 18th-21st century (e.g. Dunbar, Johnson, Jacobs, Wells-Barnett, Hughes, Faust, Wright, Hurston, Ellison, Brooks, Baraka, Sanchez, Young, Clifton, Reed, Hemphill, Beatsy) through a range of genres, noting African, European, and 'New World' influences. The writer's role in a given community, an artist's aesthetic considerations and unique voice, the function of the arts, and major movements (e.g. New Negro Harlem Renaissance and the Black Arts Movement) will be among the contexts for our study. Satisfies non-Western requirement.
Credits: 3
Attributes: Humanities, Non-western Culture
Prerequisites: ENG 101

AFS 210 - RACE IN AMERICAN POLITICS
Race has played a central role in U.S. politics from colonial days through the present. This class considers the persistence of systemic inequity in the U.S. as well as resistance and liberation movements in response to social, political, and economic oppression. Contemporary issues are considered from the lens of historic and continued structural racism within the U.S., paying particular attention to the role of the state and political actors in creating and perpetuating systemic racial disparities through public policy and political rhetoric.
Credits: 3
Attributes: Non-western Culture, Social Justice Studies, Social Science
Course Notes: Open to freshmen, no additional credit given for 'RACE IN AMERICAN POLITICS

AFS 211 - PSYCHOLOGY STUDY OF RACISM
The purpose of this course is to familiarize the student with the field of psychology's study of racism and prejudice; and engage the student an experiential investigation of racism and prejudice via group discussions, viewing of films on the topics, and additional readings as assigned.
Credits: 3
Attributes: Non-western Culture, Social Science
Course Notes: Sophomore standing.

AFS 226 - AFRICAN-AMERICAN HISTORY: 1619-1877
Evolution of slavery as a social and economic institution and role of free African Americans in American society up to and during Reconstruction. See Hist 228.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: ENG 102
Course Notes: Sophomore standing.

AFS 229 - AFRICAN-AMERICAN HISTORY: 1877-1960
Survey of the African-American experience in America with attention to culture and participation in widespread social and political movements. See Hist 229.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: ENG 102
Course Notes: Sophomore standing.

AFS 233 - AMERICAN CIVIL RIGHTS
This course will interrogate the definitions, chronology, and locations of the civil rights movement in American history.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: ENG 102
Course Notes: Sophomore standing.

AFS 234 - RACE & SEX IN JAMESTOWN
Traces the origins of slavery in mainland North America by closely examining the history and legacy of the first English colony. Considers relations between Native Americans and English, conceptions of sex, gender, and race, and the impact of slavery on the American Revolution.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: ENG 102

AFS 240 - INTRODUCTION TO AFRICA: CULTURE & HISTORY
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture, Social Science

AFS 241 - AFRICA UNDER EUROPEAN DOMINATION
Study of the African-American experience in America with attention to racism and prejudice via group discussions, viewing of films on the topics, and additional readings as assigned.
Credits: 3
Attributes: Non-western Culture, Social Science
Course Notes: Sophomore standing.

AFS 280 - TOPICS IN AFRICAN-AMERICAN HISTORY
Introduction to historiography and methodology of a specific topic; the nature of interpretation and various schools of thought on the topic. Experience in reading and interpreting primary sources, such as written documents, photographs, oral history, and quantitative data.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: ENG 102

AFS 290 - TOPICS IN AFRICAN AMERICAN STUDIES
This course explores a specific topic in African American Studies through a variety of disciplines, including sociology, political science, history, philosophy, literature among others.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
AFS 317 - THE AFRICAN-AMERICAN WOMAN
Relationship of the African-American woman to institutions of society from slavery to present. Social policy issues related to legislation, employment, health care, child care, education, housing, and correction systems.
Credits: 3
Attributes: Non-western Culture, Social Science, Women Gender Studies
Prerequisites: AFS 101 or AFS 102
Course Notes: or consent

AFS 318 - THE AFRICAN-AMERICAN MAN
Historical, psychological, and sociological examination of issues and conflicts concerning the status, identity, and image of the African-American male in contemporary American society.
Credits: 3
Attributes: Non-western Culture, Social Science

AFS 326 - RACE, GENDER & THE MASS MEDIA
Relationship between U.S. media and social construction of race and gender; media's role in perpetuating/challenging gender and racial stereotypes; perceptions and reaction to representations; critical consumption of media images/messages pertaining to disenfranchised groups.
Credits: 3
Attributes: Non-western Culture, Social Science, Women Gender Studies
Prerequisites: SOC 101

AFS 327 - RACE AND ETHNIC RELATIONS
Race and ethnicity in the US; history and present status of various racial and ethnic groups; political economy of race; changing public discourse of race and racial identities. See SOC 327.
Credits: 3
Attributes: Non-western Culture, Social Science
Prerequisites: SOC 101

AFS 329 - WHITENESS IN A GLOBAL SOCIETY
Course addresses the history, economics, politics and social construction of whiteness. Specific focus on three white deep-settler countries (countries that whites colonized, controlled, and stayed for generations): U.S.A., Australia and South Africa. These three countries share many similarities and by examining the differences we can develop a sophisticated understanding of the (re)production of white privilege, white power and the continuation of white supremacy world-wide.
Credits: 3
Attributes: International Studies, Non-western Culture
Prerequisites: SOC 101 and 3 Credit Hours of Sociology
Course Notes: Sophomore standing or above.

AFS 333 - HIST & MEMORY OF THE CIVIL WAR
This course explores the history and political and cultural memory of the Civil War. Among the subjects to be examined include the commemoration of the dead, the place of slavery in the memory of the Civil War, disputes over the teaching of the Civil War, the role of the Confederate flag and the lost cause, changing perceptions of notable figures, and the experiences and reminisces of regular soldiers and citizens.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: HIST 106 or HIST 107
Course Notes: Cross listed with HIST 333

AFS 364 - WHITE CITY & BLACK METROPOLIS
Chicago constructed the White City to host the world during the 1893 Columbian Exposition. A half-century later, two prominent African American sociologists called the same city the Black Metropolis. This course will interrogate the spaces between these metaphors across a century of Chicago history. Chronological topics will include: the birth of the city as Nature's Metropolis; the Chicago Fire; the Exposition; the Haymarket affair; the Great Migration and 1919 riot; ethnic neighborhood associations of the 1920s; Depression radicalism and unionism in the 1930s; the greater migration of the 1940s; housing crises during the 1950s and beyond; civil rights and Black Power; and the shift from the 'plantation politics' of Richard J. Daley in the 1960s to the election of the anti-machine candidate Harold Washington in the 1980s. Students taking this course will read secondary materials and conduct primary source research in local archives to analyze and discuss the power and construction of racial identity to better understand the rich and complex urban history of Chicago.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: HIST 106 or HIST 107

AFS 381 - SPECIAL TOPICS IN AFRICAN AMERICAN STUDIES
This course explores an advanced specific topic in African American Studies through a variety of disciplines, including sociology, political science, history, philosophy, and literature, among others. See Red highlighted CRN on course schedule for term specific descriptions.
Credits: 3
Attributes: Non-western Culture, Social Science
Prerequisites: SOC 101

AFS 395 - INDEPENDENT STUDY
Directed study arranged one-on-one by the student in consultation with a faculty member.
Credits: 1-6
Attributes: Non-western Culture
Course Notes: Consent of instructor.
ALLIED HEALTH (ALH)

ALH 119 - INTRODUCTION TO MEDICAL TERMINOLOGY
Medical Terminology is a course that helps students understand the Greek-and Latin-based language of medicine and healthcare. Emphasis is placed upon word roots, suffixes, prefixes, abbreviations, symbols, anatomical terms, and terms associated with movements of the human body. This course also stresses the proper pronunciation, spelling, and usage of medical terminology.
Credits: 3
Course Notes: This course does not count towards BIOL major credit.

ALH 251 - INTRODUCTION TO RADIOLOGY & MEDICAL IMAGING
Introductions to the art and science of medical radiography and medical imaging are presented. Included is a discussion of the history of radiology, basic radiation safety and protection, imaging terminology, and an introduction to exposure factors and image formation. Other course components include an introduction to professional organizations, and cultural diversity in healthcare.
Credits: 3
Course Notes: Acceptance into the RAD clinical program required.

ALH 252 - RADIOLOGICAL PROCEDURES I
Radiographic anatomy and positioning skills are presented as they relate to performing radiographic procedures of the human body. Specific areas presented include positioning and procedures of the chest, abdomen, and extremities. Emphasis will be placed on the production of quality images while minimizing radiation exposure to the patient. Laboratory exercises will demonstrate the application of theoretical principles and concepts, while reinforcing didactic lecture content. Commonly-encountered pathological conditions will be examined. Pathology reports will be assigned as part of this course.
Credits: 3
Course Notes: Acceptance into the RAD clinical program required.

ALH 253 - PATIENT CARE IN MEDICAL IMAGING
This course will present basic patient care techniques related to the medical imaging environment. Topics presented include sterile and aseptic technique, standard precautions, venipuncture, patient transfer, care of medical equipment, infection control, patient communication, basic EKG, and monitoring & recording of vital signs.
Credits: 3
Course Notes: Acceptance into the RAD clinical program required.

ALH 254 - RADIOGRAPHY CLINICAL I
This is the first of a sequence of clinical courses designed to introduce students to the hospital clinical setting, while providing an opportunity for students to participate in or observe radiographic procedures. Students will complete general patient care competencies during this course, while rotating through various areas within the radiology department. Additionally, they will begin completing clinical competencies related to the chest, abdomen, routine contrast procedures, mobile examinations, extremities, and pediatric procedures. Students will perform under the supervision of qualified radiographers.
Credits: 2
Course Notes: Acceptance into the RAD clinical program required.

ALH 255 - FLUOROSCOPIC PROCEDURES I
This course examines the radiographic anatomy and positioning skill required to perform radiographic procedures of the digestive system. Also, it is an overview of contrast media and venipuncture instruction. Emphasis will be placed on the production of quality radiographs while minimizing radiation exposure to the patient and technologist. Pathology reports will be assigned to examine commonly-encountered pathological conditions.
Credits: 1
Course Notes: Acceptance into the RAD clinical program required.

ALH 261 - FLUOROSCOPIC PROCEDURES II
This course examines the radiographic anatomy and positioning skill required to perform radiographic procedures of the urinary, biliary, and reproductive systems. Also included are imaging studies of the spinal cord and arthrography. Emphasis will be placed on the production of quality radiographs while minimizing radiation exposure to the patient and technologist. Pathology reports will be assigned to examine commonly-encountered pathological conditions.
Credits: 1
Course Notes: Acceptance into the RAD clinical program required.

ALH 262 - MEDICAL LAW & ETHICS
This course examines the medicolegal issues involving patient care and medical imaging. Professional Ethics and ethical dilemmas will also be presented. Additional topics include confidentiality, HIPPA, medical documentation and elements of informed consent. Subject matter experts serve as guest presenters.
Credits: 1
Course Notes: Acceptance into the RAD clinical program required.

ALH 263 - MEDICAL TERMINOLOGY FOR MEDICAL IMAGING
The medical terminology course will include a study of root words, prefixes, and suffixes of medical vocabulary, medical abbreviations and applicable symbols. A combination of on-line learning exercises and chapter quizzes will be utilized. Although designed as an independent study course, students will meet once a week with the course facilitator to complete module tests. A medical terminology competency examination will be administered at the end of the course.
Credits: 1
Course Notes: Acceptance into the RAD clinical program required.

ALH 264 - IMAGING PRINCIPLES I
Examines the factors controlling and influencing the production of radiographic images. Exercises will demonstrate application of theoretical principles and concepts. Topics include beam filtration, beam restriction, image receptors, computed and digital radiography concepts, radiographic grids, and technical factor selection & manipulation. Emphasis will be placed on methods of improving radiographic image quality, while emphasizing patient and technologist radiation protection.
Credits: 2
Course Notes: Acceptance into the RAD clinical program required.

ALH 265 - INTRODUCTION TO COMPUTERS
An introduction to microcomputers is presented and is designed to acquaint the participant with computer usage. Specific topics include how computers work, types of computers, hardware and software, and commonly-employed software applications. Additional units of study include fundamentals of Word 2007, PowerPoint 2007, and Excel 2007. This course is instructor-led and taught in a computer lab.
Credits: 1
Course Notes: Acceptance into the RAD clinical program required.
ALH 266 - RADIOGRAPHIC PROCEDURES II
Radiographic anatomy and positioning skills are presented as they relate to performing radiographic procedures of the human body. Specific areas presented include the pelvic girdle, bony thorax, spinal column, sacrum & coccyx. Emphasis will be placed on the production of quality images while minimizing radiation exposure to the patient. Laboratory exercises will demonstrate the application of theoretical principles and concepts, while reinforcing didactic lecture content. Commonly-encountered pathological conditions will be examined. Pathology reports will be assigned as part of this course.
Credits: 3
Course Notes: Acceptance into the RAD clinical program required.

ALH 267 - RADIOGRAPHIC CLINICAL II
Students will continue to rotate through various areas of the radiology department and begin surgical rotations. Additional clinical competencies will be obtained on routine spine and cranium procedures, pediatric procedures and mobile studies. Students will continue to perform under the supervision of qualified radiographers.
Credits: 4
Course Notes: Acceptance into the RAD clinical program required.

ALH 280 - FUNDAMENTALS OF SONOGRAPHY
Orientation to basic scanning techniques, instrumentation, acoustic energy, and anatomy and image identification. Students will learn to identify sonographic anatomy and acceptable image parameters and to correlate this information to specific procedures. Students will practice scan to achieve basic skills needed in the clinical setting. This course must be passed prior to continuing in the DMS program.
Credits: 3
Course Notes: Acceptance into the DMS program required.

ALH 281 - MANAGEMENT & METHODS OF PATIENT CARE
Introduction to the basics of nursing techniques, medical professionalism, and patient care. Topics covered include nursing procedures, medical emergencies, ethics, confidentiality, HIPAA, hospital safety, informed consent, conscious sedation, patient transfer, infection control, professional development and certification, departmental organization and administration, QA/QC, and an introduction to hospital administration.
Credits: 1
Course Notes: Acceptance into the DMS program required.

ALH 282 - PATHOPHYSIOLOGY
The course is presented in two parts: general pathology and neoplasia. The general pathology component introduces basic disease concepts, theories of disease causation and system-by-system pathophysiologic disorders most frequently encountered in clinical practice. The neoplasia component provides an in-depth study of new and abnormal development of cells.
Credits: 2
Course Notes: Acceptance into the DMS clinical program required.

ALH 283 - SECTIONAL ANATOMY FOR THE SONOGRAPHER
Study of human anatomy in the transverse, longitudinal, and coronal planes. Emphasis on the organs in the abdomen, pelvis, thorax, and neck. Demonstration of how these structures appear on ultrasound scans, computerized tomography, and MRI.
Credits: 2
Course Notes: Acceptance into the DMS clinical program required.

ALH 284 - ABDOMEN SONOGRAPHY WITH LAB
Study of normal anatomy and sonographic appearances of abdominal structures and superficial structures. Normal variants, congenital anomalies, physiology, and related laboratory tests are covered. Sonographic methods used to visualize abdominal structures and organs.Includes laboratory section on basic scanning techniques.
Credits: 4
Course Notes: Acceptance into the DMS clinical program required.

ALH 285 - OB-GYN SONOGRAPHY WITH EMBRYOLOGY
Study of obstetrical and gynecological anatomy. Clinical applications and sonographic methods used to visualize pelvic organs, the pregnant uterus, and related structures. Discussion of embryogenesis and the reproductive cycle. Study of normal sonographic patterns.
Credits: 3
Course Notes: Acceptance into the DMS clinical program required.

ALH 286 - CLINICAL EDUCATION I: SONOGRAPHY
Application of sonographic scanning procedures in a hospital setting under the supervision of a qualified registered diagnostic sonographer. Emphasis on liver, GB, pancreas, gallbladder, obstetrics, and pelvic areas.
Pass-fail grading.
Credits: 2
Course Notes: Acceptance into the DMS clinical program required.

ALH 287 - CLINICAL EDUCATION II: SONOGRAPHY
Continuation of the study of principles of diagnostic ultrasound physics, including artifacts, Doppler, 3D, harmonic imaging, contrast agents, bioeffects and safety.
Credits: 2
ALH 309 - OBSTETRICAL/GYNECOLOGICAL PATHOLOGY
Study of obstetrical and gynecological pathology. Instrumentation and techniques for optimization of sonographic obstetrical and gynecological images are reviewed. Comparison of normal sonographic patterns with pathology appearances, physiology, differentials, and correlation with lab tests and related organ involvement. Discussion and correlation of congenital abnormalities, causes, and sonographic appearances. 
Credits: 4

ALH 310 - CLINICAL EDUCATION II
This course emphasizes clinical experience progression under the supervision of faculty, sonography staff, and clinical instructor. Continued practicum in the clinical applications of abdominal sonography, female pelvis, and obstetrical applications. Effective communication, operation of equipment, patient care, and technical skills developed.
Credits: 3

ALH 311 - ABDOMINAL PATHOLOGY
This course emphasizes clinical experience progression under the supervision of faculty, sonography staff, and clinical instructor. Continued practicum in the clinical applications of abdominal sonography, female pelvis, and obstetrical applications. Effective communication, operation of equipment, patient care, and technical skills developed.
Credits: 3

ALH 313 - PATIENT CARE MANAGEMENT I
See clinical advisor for more information on this course.
Credits: 2
Course Notes: Acceptance into clinical program

ALH 316 - PATHOLOGY
This course will introduce the student to the concept of diseases. Emphasis will be placed on different types of growths, causative factors, and biological behavior. Etiology and clinical manifestations will be described.
Credits: 2
Course Notes: Acceptance to clinical program

ALH 317 - RADIATION PHYSICS I
Basic knowledge of physics pertinent understanding radiations used in clinical settings.
Credits: 2
Course Notes: Acceptance to clinical program

ALH 318 - RADIATION PHYSICS II
This course is designed to review and expand concepts and theories in the Radiation Physics course. Detailed analysis of the structure of matter, properties of radiation, nuclear transformation, x-ray production, and interactions of ionizing radiation are emphasized. Also presented are treatment units used in external radiation therapy, measurement and quality of ionizing radiation produced, absorbed dose measurement, dose distribution, and scatter analysis. In addition, the course will include properties of photon and electron beams, electron beam therapy, and brachytherapy.
Credits: 3
Course Notes: Acceptance into clinical program

ALH 320 - CLINICAL HEMATOLOGY
In the Hematology Laboratory students learn to count and classify the various types of red and white blood cells. They also learn how to determine whether the oxygen-carrying red blood cells are in a healthy state, an essential procedure for diagnosis of anemia. In addition, the students will be shown how to classify the cells in the bone marrow to assist the pathologist in the identification of leukemia and other blood disorders.
Credits: 5
Course Notes: Acceptance into clinical program

ALH 321 - CLINICAL MICROBIOLOGY - VIROLOGY
The Microbiology Laboratory has the responsibility of isolating and identifying potentially pathogenic microorganisms. In many cases the laboratory also determines the susceptibility of the etiologic agent to a variety of antibiotics. This laboratory is divided into Bacteriology, Mycology, Mycobacteriology, Parasitology, and Virology.
Credits: 2
Course Notes: Acceptance into clinical program

ALH 322 - CLINICAL CHEMISTRY
State-of-the art automation and robotics enable the laboratory to provide critical diagnostic information quickly and accurately to physicians in such areas as the emergency department, intensive care, surgery and the neonatal intensive care unit. In addition, the Clinical Chemistry Laboratory offers testing for the assessment of many metabolic systems that can include cholesterol measurement, thyroid and reproductive hormone levels, and therapeutic drug monitoring. Students will work with up-to-date, computer-assisted technology to provide critical as well as routine testing for effective patient care.
Credits: 5
Course Notes: Acceptance into clinical program

ALH 323 - CLINICAL IMMUNOLOGY/SEROLOGY
The Immunopathology Laboratory performs state-of-the art testing in Flow Cytometry and Diagnostic Immunology. In Flow Cytometry special emphasis is placed on diagnosis of leukemias and lymphomas and monitoring of immunologic pathologies. Rotation through the Immunology section includes performance of protein chemistry and infectious disease serology; detection of tumor markers; and pregnancy and prenatal diagnosis.
Credits: 5
Course Notes: Acceptance into the MDTC clinical program

ALH 324 - CLINICAL IMMUNOHEMATOLOGY
Tests are conducted in the Coagulation section of the Hematology Laboratory to determine the presence or absence of factors essential to normal blood coagulation. Special procedures are performed to identify acquired and inherited deficiencies of the coagulation proteins.
Credits: 3
Course Notes: Acceptance into the MDTC clinical program

ALH 325 - CLINICAL MICROSCOPY/URINALYSIS
In the Body Fluids section of this rotation, body fluids are examined to determine the kinds and numbers of body cells present. It is in this laboratory that both quantitative and qualitative testing of urine is done. Urinalysis involves testing for pH, color, specific gravity, sugars and excessive amounts of protein. Specimens are also examined for the presence of bacteria and parasites as well as crystals and casts formed by the kidneys.
Credits: 3
Course Notes: Acceptance into the MDTC clinical program
ALH 326 - CLINICAL EDUCATION II
This course emphasizes clinical experience progression under the supervision of faculty, sonography staff, and clinical instructor. Continued practicum in the clinical applications of abdominal sonography, female pelvis, and obstetrical applications. Effective communication, operation of equipment, patient care, and technical skills developed. Pass-fail grading.
Credits: 3
Course Notes: Acceptance into the DMS clinical program required.

ALH 327 - PHLEBOTOMY
Lectures and clinical rotation demonstrating the proper collection and processing of blood for routine and special tests are given. Both venipuncture and dermal puncture techniques are presented. Medical Laboratory Science students will gain competence drawing blood for laboratory testing in the Outpatient Laboratory and hospital patient care units.
Credits: 1
Course Notes: Acceptance into clinical program.

ALH 328 - MOLECULAR DIAGNOSTICS
The Molecular Diagnostics Laboratory is the fastest growing laboratory in our institution, reflecting the explosion in knowledge about the human genome and the availability of new tools to examine DNA and RNA. Highly sensitive nucleic acid amplification methods, including real-time PCR, are used to detect low concentrations of infectious agents such as Herpes simplex virus. Quantitative (viral load) tests for hepatitis C and HIV nucleic acid are used to monitor response to therapy.
Credits: 3
Course Notes: Acceptance into the MDTC clinical program.

ALH 329 - MANAGEMENT AND EDUCATION
Group dynamics, basic educational theory, the five functions of management and a variety of related topics are presented through lecture and group activities.
Credits: 1-2
Course Notes: Acceptance into the MDTC clinical program.

ALH 330 - CLINICAL EDUCATION III
The student begins to demonstrate full competency in various exams and advances toward more independent scanning under the supervision of sonography staff and clinical instructor. Emphasis remains on abdominal, small parts, and obstetrical-gynecological sonography. The student will have an opportunity to refine skills and increase self-confidence through progressively more independent scanning. Overview of hospital operations, including departmental billing policies. Pass-fail grading.
Credits: 3
Course Notes: Acceptance into the DMS clinical program required.

ALH 331 - INTRODUCTION TO PEDIATRICS AND VASCULAR IMAGING
Discussion of pediatric and neonatal anatomy and imaging techniques. Newborn and pediatric pathologies are reviewed. Basic adult vascular imaging is discussed, including peripheral vasculature and carotid artery anatomy and pathology. Imaging techniques, protocols, spectral and color flow Doppler interrogation and interpretation are reviewed. Peripheral venous and carotid imaging is performed in a laboratory setting.
Credits: 1

ALH 332 - CLINICAL EDUCATION IV WITH SPECIALTIES
In this final period of clinical study, the student demonstrates full competency and progresses to full independence under the supervision of sonography staff and clinical instructor. Emphasis on accuracy and efficiency in pathology identification, diagnosis, and related organ involvement documentation. Rotations in the practice of peripheral vascular exams, pediatrics, breast imaging, and other specialties within the field may be arranged.
Credits: 4

ALH 333 - LABORATORY MANAGEMENT
General introduction to laboratory management for the Histotechnologist; emphasis on theories, methods, and techniques used in management, with specific application to the laboratory.
Credits: 2
Course Notes: Acceptance into the histotechnology, clinical training program.

ALH 334 - INTRODUCTION TO HISTOTECHNOLOGY
Principles and theories of histotechnology; safety and regulatory requirements; reagents; dilutions; basics of histology.
Credits: 2
Course Notes: Acceptance into the histotechnology, clinical training program.

ALH 336 - PROCESSING & EMBEDDING TISSUES
Principles and theories of embedding processes; methods of preparing and orienting tissues.
Credits: 3
Course Notes: Acceptance into the histotechnology, clinical training program.

ALH 337 - MICROTOMY/INSTRUMENTATION
Principles and theories of microtomy processes; methods of preparing tissues; laboratory and restoration.
Credits: 4
Course Notes: Acceptance into the histotechnology, clinical training program.

ALH 338 - ROUTINE STAIN AND QUALITY CONTROL
Principles and theories of staining procedures; evaluation of different methods of staining; equipment troubleshooting, quality control processes and slide review.
Credits: 2
Course Notes: Acceptance into the histotechnology clinical, training program.

ALH 340 - MANAGEMENT AND METHODS OF PATIENT CARE I
Skills in problem solving, critical thinking, and decision making are developed as well as oral and written communication skills. Career skills are enhanced through the interview process, resume writing, and administrative duties including; budgeting, medical and legal considerations and political issues affecting health care. Special emphasis is placed on research methods, medical law and ethics, and scheduling guidelines. Focus on basic measures necessary to provide quality patient care. Basic principles of record keeping and maintaining confidentiality of information are explained. 2 Credit hours.
Credits: 3
Course Notes: Must be admitted into the, Nuclear Medicine Technology clinical placement.
ALH 341 - RADIATION BIOLOGY
This course is designed to present basic concepts and principles of radiation biology. The interactions of radiation with cells, tissues and the body as a whole and resultant biophysical event will be presented. Discussion of the theories and principles of tolerance dose, time-dose relationships, fractionation schemes, and the relationship to the clinical practice of radiation therapy will be discussed, examined, and evaluated.
Credits: 1
Course Notes: Acceptance into the Nuclear Medicine or Radiation Therapy, clinical program required.

ALH 342 - CLINICAL EDUCATION IV WITH SPECIALTIES
In this final period of clinical study, the student demonstrates full competency and progresses to full independence under the supervision of sonography staff and clinical instructor. Emphasis on accuracy and efficiency in pathology identification, diagnosis, and related organ involvement documentation. Rotations in the practice of peripheral vascular exams, pediatrics, breast imaging, and other specialties within the field may be arranged. Pass-fail grading.
Credits: 3
Course Notes: Must be admitted into the, Nuclear Medicine Technology clinical placement

ALH 343 - REGISTRY REVIEW
Comprehensive registry reviews for the ARDMS examinations. Practice exams and mock registries are an integral part of this review. Applications for registry examinations are provided and reviewed.
Credits: 2
Course Notes: Acceptance to clinical program

ALH 344 - DIAGNOSTIC NUCLEAR IMAGING CLINICAL PRACTICUM I
Supervised clinical education that gives the student the opportunity to perform a variety of patient procedures on both SPECT, SPECT/CT, PET and PET/CT imaging systems for all diagnostic, therapeutic, non-imaging in-vivo and in-vitro procedures. Clinical competencies developed in patient care, positioning techniques, analyzing images, and the selection of imaging parameters and collimators. Knowledge of integrated computer systems designed for use with clinical gamma cameras, Single Photon Emission Computed Tomography (SPECT), SPECT/CT, Positron Emission Tomography (PET), and PET/CT images. The clinical practicum is designed to promote independent critical thinking, balanced responsibility, organization and accountability in the student. Students will demonstrate competence in all procedures presented.
Credits: 4
Course Notes: Must be accepted into clinical training.

ALH 345 - RADIATION SAFETY & PROTECTION
Credits: 3

ALH 346 - RADIONUCLIDE CHEM & RADIOPHARM
This course examines radionuclide production, mechanisms of radionuclide localization the use and preparation of radiopharmaceuticals for diagnostic and therapeutic applications, quality control of radiopharmaceuticals, and governmental regulations.
Credits: 3

ALH 347 - CLINICAL CORRELATION-PATHOLOGY
Focus on the study of the structure and function of human cells, tissues, organs and systems. Clinical interpretation of organ systems with emphasis on immunology, and anatomy and physiology, which will provide a basis for understanding abnormal or pathological conditions as applied to nuclear medicine. Causes, symptoms, and treatments of disease are discussed as well as its effect on the images. In addition, the student is scheduled to observe the interpretation of images with the physician staff.
Credits: 2
Course Notes: Must be accepted into clinical training.

ALH 348 - DIAGNOSTIC NUCLEAR IMAGING PRACTICUM II
This practicum allows the students to enhance their training by performing (with supervision) advanced nuclear medicine procedures. This course also examines health physics by studying radiation exposure rate, radiation contamination, safe handling and storage techniques, and monitoring equipment as well as all aspects of a Nuclear Pharmacy, such as preparation and quality control testing of radiopharmaceuticals, performing assays, low level lab procedures, and operation of special equipment.
Credits: 4-5

ALH 349 - CLINICAL NUCLEAR IMAGING PROCEDURE
This course is an introduction to the nuclear medicine department, its operation and the duties of a Nuclear Medicine technologist.
Credits: 3

ALH 350 - RADIATION PHYSICS & INSTRUMENTATION
Theory and physical principles associated with atomic structure, nuclear and quantum physics related to radioactive decay. Properties of the elements and the production of characteristic x and gamma rays, anger electrons and Bremsstrahlung. Instruction on the modes of decay, radiation dosimetry, and interaction of ionizing radiation with matter. Basic physics, instrumentation, and radiochemistry of SPECT (Single Photon Emission Computed Tomography), SPECT/CT, Positron Emission Tomography (PET), and PET/CT.
Credits: 3
Course Notes: Must be accepted into clinical training.

ALH 352 - RADIATION SAFETY & PROTECTION
The student will be provided with the basic principles and concepts of radiation protection and safety. Radiation health and safety requirements of federal and state regulatory agencies, accreditation agencies, and health care organizations are incorporated. Specific responsibilities of the radiation therapist are discussed, examined, performed, and evaluated.
Credits: 2
Course Notes: Acceptance into clinical program.

ALH 353 - MEDICAL IMAGING FOR RADIATION THERAPY
This course is designed to establish a knowledge base in factors that govern and influence the production and recording of radiographic images for patient simulation, treatment planning, and treatment verification in radiation oncology. Radiation oncology imaging equipment and related devices will be emphasized. Class demonstrations/labs are used to demonstrate the application of theory.
Credits: 2
Course Notes: Acceptance to clinical program
ALH 354 - PRINCIPLES AND PRACTICE I
This course will provide the student with the fundamentals of clinical radiation oncology. Malignant conditions, their etiology, and methods of treatment are discussed. Attention is given to patient prognosis, treatment results, and the effects of combined therapies. In addition, this course will review calculations necessary for the various patient setups and treatments.
Credits: 3
Course Notes: Acceptance to clinical program

ALH 355 - PRINCIPLES & PRACTICE II
This course is a continuation of Principles and Practice I. This course will provide the student with the fundamentals of clinical radiation oncology. Malignant conditions, their etiology, and methods of treatment are discussed. Attention is given to patient prognosis, treatment results, and the effects of combined therapies. In addition, this course will review calculations necessary for the various patient setups and treatments.
Credits: 3
Course Notes: ACCEPTANCE INTO THE CLINICAL TRAINING, PROGRAM FOR RADIATION THERAPY TECHNOLOGY

ALH 357 - CLINICAL PRACTICUM I
These courses will provide the student with the fundamentals of clinical radiation oncology. The medical, biological, and pathological aspects as well as the physical and technical aspects will be discussed. The diagnosis, treatment prescription, the documentation of treatment parameters and delivery, emergency procedures, and patient condition and education needs will also be presented, discussed, examined, and evaluated. The course is also designed to examine and evaluate the management of neoplastic disease using knowledge in arts and sciences, while promoting critical thinking and the basis of ethical clinical decision making.
Credits: 3
Course Notes: Acceptance into clinical program

ALH 358 - CLINICAL PRACTICUM II
Content is designed to provide sequential development, application, analysis, integration, synthesis, and evaluation of concepts and theories in radiation therapy. Through structured sequential assignments in clinical facilities, concepts of team practice, patient-centered clinical practice, and professional development shall be discussed, examined, and evaluated. This includes supervised clinical education, which offers a sufficient and well-balanced variety of radiation treatments, examinations, and equipment. Various rotations include: three general radiation therapy treatment rooms, Simulator/CT simulator, Nursing Department, and Physics/Dosimetry Department.
Credits: 4

ALH 360 - QUALITY MANAGEMENT
This course examines how we comprehend quality management as it relates to aspects of radiation therapy. Quality management protocols will be presented as they apply to patient care, record keeping, documentation, and equipment and radiation output.
Credits: 1
Course Notes: Acceptance into clinical program

ALH 361 - INTRODUCTION TO COMPUTED TOMOGRAPHY
This course is designed to present an in-depth content related to computed tomography and cross-sectional anatomy. Specific topics include the physics & instrumentation of CT scanning, image production, and a review of cross- sectional anatomy of the head, neck, thorax, abdomen, and pelvis. Emphasis will be placed on patient considerations, patient safety, and radiation protection.
Credits: 1
Course Notes: Acceptance into clinical training program, for Radiation Therapy Technology Required.

ALH 362 - OPERATIONAL ISSUES
This course will familiarize the student with the patient chart and its content. All components of the legal document will be defined and discussed, ensuring that students know how to use proper documentation and find information relevant to the patient's treatment.
Credits: 1
Course Notes: Acceptance into clinical program

ALH 363 - TECHNICAL RADIATION I
This course is a continuation of Technical Radiation Therapy I with discussions of various treatment and simulation procedures the different pathologies. The lab component will continue to provide a hands-on, sequential application, and clinical integration of concepts and theories in the radiation therapy clinic.
Credits: 2
Course Notes: Must be accepted into clinical training.

ALH 364 - TECHNICAL RADIATION THERAPY II
This course is a continuation of Technical Radiation Therapy I with discussions of various treatment and simulation procedures the different pathologies. The lab component will continue to provide a hands-on, sequential application, and clinical integration of concepts and theories in the radiation therapy clinic.
Credits: 2
Course Notes: Must be accepted into clinical training.

ALH 370 - COMPUTED TOMOGRAPHY AND CROSS-SECTIONAL ANATOMY
Computed Tomography and Cross-Sectional Anatomy. Introduction to the fundamental concepts and principles of computed technology and its role in medical imaging. Specific topics include physics & instrumentation of CT scanning, image production, and cross-sectional anatomy of the head, neck, thorax, abdomen, and pelvis. Emphasis placed on patient considerations, patient safety, and radiation protection.
Credits: 2
Course Notes: Required for students admitted to the Clinical phase of, Nuclear Medicine Technology program.

ALH 371 - CLINICAL NUCLEAR MEDICINE PROCEDURES II
Emphasis on theory and techniques of clinical procedures used in nuclear medicine imaging. Areas emphasized include patient care, developing acquisition parameters, imaging techniques, radionuclide identification, energies, half-lives, and principles of radionuclides in imaging and non-imaging procedures. Students will continue to develop an increased degree of competence in their performance of the skills related to critical thinking and problem solving.
Credits: 3
Course Notes: Required for students admitted to the clinical phase of, Nuclear Medicine Technology program.
ALH 372 - MANAGEMENT AND METHODS OF PATIENT CARE II
Skills in problem solving, critical-thinking, and decision-making are developed as well as oral and written communication skills. Career skills are enhanced through the interview process, resume writing, and administrative duties including; budgeting, medical and legal considerations and political issues affecting health care. Special emphasis is placed on research methods, medical law and ethics, and scheduling guidelines. Focus on basic measures necessary to provide quality patient care. Basic principles of record keeping and maintaining confidentiality of information are explained.
Credits: 2
Course Notes: Required for students admitted to the clinical phase, of Nuclear Medicine Technology program.

ALH 375 - IMMUNOHISTOCHEMISTRY
Advanced aspects of histological procedures used in clinical settings. The course will focus on the theoretical basis of immunohistochemistry.
Credits: 3

ALH 376 - ELECTRON MICROSCOPY
Advanced aspects of histological procedures used in clinical settings. The course will focus on the theoretical basis of electron microscopy.
Credits: 2
Course Notes: Must be admitted into the Histotechnology clinical placement

ALH 377 - SPECIAL STAINS
Advanced aspects of histological procedures used in clinical settings. The course will focus on the theoretical basis of special stains.
Credits: 3
Course Notes: Must be admitted into the Histotechnology clinical placement

ALH 378 - HISTOTECHNOLOGY PROCESS IMPROVEMENT
Capstone course for the histotechnology program. Students will conduct a process improvement project in the laboratory. Students will be required to work collaboratively in the design, implementation, and presentation of their process improvement project.
Credits: 2
Course Notes: Must be admitted into the Histotechnology clinical placement

ALH 379 - SEMINAR- ED & RES IN HISTOLOGY
Presentation of reports, discussions, lectures and papers on selected topics in Histotechnology.
Credits: 3
Course Notes: Must be admitted into the Histotechnology clinical placement

ALH 380 - RADIATION PHYSICS
An introduction to basic concepts of physics with emphasis on the fundamentals of x-ray generating equipment. Topics include atomic structure, the structure of matter, ionization, magnetism & electromagnetism, electrodynamics, the control of high voltage and rectification, x-ray tubes, x-ray circuits, and the production & characteristics of radiation.
Credits: 3
Course Notes: Acceptance into the RAD clinical program required.

ALH 381 - OPERATIONAL ISSUES IN THE HEALTHCARE ENVIRONMENT
Content is designed to focus on various allied health operational issues. CQI project development and evaluation and assessment techniques will be emphasized. Human resource issues and regulations impacting the healthcare professional will be examined. Accrediting agencies and the licensed practitioner’s role in the accreditation process will be emphasized. Billing and reimbursement issues will also be presented.
Credits: 1
Course Notes: Acceptance into the RAD clinical program required.

ALH 382 - IMAGING PRINCIPLES II
This course is designed as a continuation of RAD 104. Course focus will be on continued knowledge development of the factors governing and influencing the production of radiographic images. Topics include technique chart formation, recorded detail and image distortion, processor quality assurance (QA) concepts, radiographic QA and quality control (QC), and digital imaging principles. Causes of poor image quality and improvement of sub-optimal images will be emphasized throughout.
The technical factor competency exam will be administered at the end of the course.
Credits: 3
Course Notes: Acceptance into the RAD clinical program required.

ALH 383 - RADIOGRAPHIC PROCEDURES III
Radiographic anatomy and positioning skills are presented as they relate to performing radiographic procedures of the human body. Specific areas presented include the skull, facial and nasal bones, zygomatic arches, paranasal sinuses and mandible. Emphasis will be placed on the production of quality images while minimizing radiation exposure to the patient. Laboratory exercises will demonstrate the application of theoretical principles and concepts, while reinforcing didactic lecture content. Commonly-encountered pathological conditions will be examined.
Credits: 3
Course Notes: Acceptance into the RAD clinical program required.

ALH 384 - IMAGING EQUIPMENT & MODALITIES
This course is designed to examine the equipment routinely used in the production of diagnostic images in greater depth. Various recording media and techniques are discussed. Topics include: radiographic equipment, image intensified fluoroscopy, recording media and techniques, image noise, specialized imaging equipment, and state and federal regulations. An overview of other imaging modalities will also be presented including IR, Mammography, Radiation Therapy, Nuclear Medicine, PET, BMD, CT and Sonography.
Credits: 2
Course Notes: Acceptance into the RAD clinical program required.

ALH 385 - RADIATION BIOLOGY & PROTECTION
The principles of cellular irradiation are presented. Radiation effects on cells and the factors affecting cellular response are included in addition to acute and chronic effects. Other topics include: radiation detection and measurement, patient protection, personnel protection, absorbed dose equivalencies, agencies and regulations, an introduction to radiation biology.
Credits: 2
Course Notes: Acceptance into the RAD clinical program required.
ALH 386 - INTRODUCTION TO CT & CROSS-SECTIONAL ANATOMY
This course is designed to present a more in depth overview of CT Scanning and cross-sectional anatomy. Specific topics include the physics & instrumentation of CT scanning, image production, and cross-sectional anatomy of the head, neck, thorax, abdomen and pelvis. Emphasis will be placed on patient considerations, patient safety, and radiation protection.
Credits: 3
Course Notes: Acceptance into the RAD clinical program required.

ALH 387 - ARRT REVIEW
This course is offered during the final two quarters of the radiography program and is designed to review materials presented throughout the curriculum. The intent of this course is to prepare students for the certification examination in radiography administered by the American Registry of Radiologic Technologists (ARRT). A hybrid of on-line activities, classroom discussions, with problem-solving / self-assessment activities will be utilized.
Credits: 3
Course Notes: Acceptance into the RAD clinical program required.

ALH 388 - RADIOGRAPHIC CLINICAL III
This course continues to provide a clinical setting in which students continue to develop proficient clinical skills. Students will continue rotating through modalities in order to gain knowledge of other aspects of medical imaging. Terminal competency evaluations will begin during this clinical course. Students will complete any remaining procedural and general patient care competencies.
Credits: 4
Course Notes: Acceptance into the RAD clinical program required.

ALH 389 - FIXATION/GROSS PATHOLOGY
Gross room operations will include specimen receiving, assessinging, common surgical procedures and terminology, specimen dissection plans of various types of tissues and basic grossing techniques and requirements. Intermediate and advanced knowledge in the theory of fixation. This includes anatomy fixation of tissues, types of fixation, action of major single and combination fixatives, special fixative, factors affecting the quality of fixation, fixation for selected individual tissue, incompatible stains and fixatives, useful formulas for fixatives and dehydration cross-linking fixatives.
Credits: 2

ALH 390 - MICROANATOMY
Study of microscopic structure of human tissues and organs. Material will emphasize the relationship between structure and function in tissues and organs.
Credits: 3
Course Notes: Must be admitted into the Histotechnology clinical placement

ALH 391 - IMMUNOFLUOR/ENZYME/IN SITU
Fundamentals and practice of immunoflourescences, enzyme histochemistry and in situ hybridization. Acquire basic knowledge on specimen preparation, development of reagents, various methods and visualization of final results.
Credits: 2
Course Notes: Must be admitted into the Histotechnology clinical placement

ALH 392 - CLINICAL ROTATIONS
Rotations through various areas in the surgical and anatomic pathology labs.
Credits: 4
Course Notes: Must be admitted into the Histotechnology clinical placement
ANTHROPOLOGY (ANTH)

ANTH 240 - CROSS CULTURAL ANTHROPOLOGY
Credits: 3
Attributes: International Studies, Non-western Culture, Social Science
Course Notes: Sophomore standing
ART (ART)

ART 101 - INTRODUCTION TO THE VISUAL ARTS
Form and content in painting, sculpture, architecture, and film.
Credits: 3
Attributes: Humanities

ART 109 - ART AND MEDIA
This course introduces students to current trends in design, media, art and culture. Students engage in the design process through research, lectures, screenings, and the exploration of professional, contemporary design work. Students explore the role of the designer in the community, emphasizing social engagement, sustainability and the fostering of cultural understanding. Students will document their experiences using photography while sharing ideas, discoveries and inspirations in a weblog or visual journal. The objective is for students to visualize themselves as active participants in contemporary design practice.
Credits: 3

ART 125 - ART GUILD
This is open to students participating in the Art Guild team activities. Students engage in team building, leadership development, and artistic development while enrolled in these classes. This class is repeatable for up to four hours.
Credits: 1

ART 130 - DESIGN AND COLOR
In this course, students are introduced to the principles of color theory composition through application in design projects across mediums. Students apply visual thinking to design problems, utilizing color theory and design principles to communicate a solution. During the course, students will develop manual skills and are expected to demonstrate craftsmanship and presentation skills.
Credits: 3

ART 150 - VISUAL & CONCEPT
Students will develop commercial drawing skills and create visual representations for various media. They will utilize brainstorming and concept development techniques and communicate through sketches, thumbnails and hand drawn compositions. Students will prepare storyboards and visual concepts for presentation and art direction.
Credits: 3

ART 201 - ANCIENT THROUGH MEDIEVAL ART
Chief works of architecture, sculpture, and painting in their historical contexts; principal stylistic developments and iconographical themes.
Credits: 3
Attributes: Humanities

ART 202 - RENAISSANCE THROUGH MODERN ART
Continuation of Art 201.
Credits: 3
Attributes: Humanities

ART 203 - COMPUTER ILLUS
In this course, students are introduced to Adobe Illustrator as an illustration, design and production tool. Students are introduced to all aspects of Adobe Illustrator and prepare illustrations, layouts and graphics using industry standard tools.
Credits: 3

ART 207 - DIGITAL PHOTO
This course introduces digital darkroom approaches and techniques applied to the art and practice of photography, focusing on the use of a SLR camera, Adobe Bridge and Adobe Photoshop. Students are introduced to the technical and practical aspects of using a DSLR camera, photographic composition, and digital workflow. Emphasis is placed on the creative process while exploring the aesthetics of photography for publication, exhibition and commercial use.
Credits: 3

ART 208 - VIDEO PRODUCTION
Students receive hands-on training in digital video and post-sound production from idea development to project delivery. Students are introduced to the digital filmmaking workflow and the software and hardware tools necessary for project completion. Emphasis is placed on the visual literacy necessary for crafting quality work.
Credits: 3

ART 210 - DRAWING I
Double period.
Credits: 3
Attributes: Humanities

ART 211 - DRAWING II
Double period.
Credits: 3
Attributes: Humanities

ART 213 - INTRODUCTION TO COMPUTER GRAPHICS
Typefaces, photographs, and other illustrations; decoration and ornamentation; layout; use of graphics to reflect publication character. Work with Illustrator and PhotoShop. Computer use course. See Jour 205.
Credits: 3
Attributes: Humanities
Prerequisites: ART 210

ART 215 - PAINTING I
Double period.
Credits: 3
Attributes: Humanities

ART 216 - PAINTING II
Double period.
Credits: 3
Attributes: Humanities
Prerequisites: ART 215

ART 226 - CERAMICS I
A beginning hands-on course assuming no knowledge of clay work. Students learn all necessary technical skills and then create individual works based on these skills. Personal development and creativity emphasized, as are sculpture and hand-building. A variety of clays and glazes are available. The class includes a historical perspective using images that we discuss. Wheel thrown pottery is introduced but not required.
Credits: 3
Attributes: Humanities
ART 227 - MIXED MEDIA DRAWING
This course begins with a focus on traditional drawing techniques and materials and then expands into broader conceptions of drawing, including the creation of collage, digital imagery, among other two- and three-dimensional images. It will encourage students to experiment with found and other atypical material as a means of exploring the meaning and creation of mixed media drawing. This course begins with a focus on traditional drawing techniques and materials and then expands into broader conceptions of drawing, including the creation of collage, digital imagery, among other two- and three-dimensional images. It will encourage students to experiment with found and other atypical material as a means of exploring the meaning and creation of mixed media drawing.

Credits: 3
Attributes: Humanities
Prerequisites: ART 203

ART 230 - CERAMICS II
Students use hand building techniques to make complex slab, coil and sculpted forms. Wheel throwing requires mastery of a perfect cylinder, simple vase forms, a mug as well as trimmed and untrimmed bowls. Independent ideas are encouraged. Students learn to mix slips and glazes and explore ceramic history.

Credits: 3
Attributes: Humanities
Prerequisites: ART 226

ART 235 - DIGITAL IMAGING
Digital Imaging is a foundation class that introduces the creation and manipulation of digital images using Photoshop as an imaging and design tool. Emphasis is placed on learning the fundamentals of digital imaging, including image manipulation, compositing and design techniques. Students apply effective design practices in composition and color theory as they relate to photography and develop creative photo-based projects.

Credits: 3

ART 245 - DESIGN INTERACT
This course serves as an introduction to the theory and principles of interaction design. Students utilize theories of information architecture, user experience research, content strategy and wireframing to plan user-friendly, accessible sites. User interface planning and design are integrated into a cohesive plan. Students then build functional prototypes. The fundamentals of search engine optimization, image optimization, multimedia files, and font management are integrated into the course structure. (Prerequisite: ART 235)

Credits: 3

ART 250 - TOPICS IN ANCIENT AND MEDIEVAL ART

Credits: 3
Attributes: Humanities
Prerequisites: ART 201
Course Notes: Must have prereq or consent of instructor.

ART 253 - WEB INTERACT
In this intermediate course, students explore user experience and develop an understanding of digital interaction. The course focuses on project planning, wireframing, interface design, and responsive prototyping. Students research interface design and strategy, beginning with screen-based systems such as web, mobile and tablet, and review pervasive design patterns and emerging trends. Students observe real users and examine prototypes. They learn to plan, discover, interpret, discriminate, revise and justify their design concepts through the utilization of essential web programming languages. (Prerequisites: ART 228 or ART 245)

Credits: 3
Prerequisites: ART 245

ART 256 - INTERNSHIP I
Students serve as interns and apply their skills in real-world employment situations. All internships are project-oriented and directly related to their focus in design. Internships are served under the sponsorship of a faculty advisor. Students are required to document the results of their experience. Course can be repeated up to 12 hours.

Credits: 3
Prerequisites: ART 201

ART 260 - TOPICS IN RENAISSANCE AND BAROQUE ART

Credits: 3
Attributes: Humanities
Prerequisites: ART 202
Course Notes: Must have prereq or consent of instructor.

ART 261 - GRAPHIC DESIGN I
Students explore various aspects of graphic design with a focus on the design process and production for various media, including print and web. Students learn Adobe InDesign skills as well as apply design principles and concepts relating to typography, page layouts and general graphic design techniques to solve visual communication problems. (Prerequisite: ART 203)

Credits: 3
Prerequisites: ART 203

ART 265 - HISTORY OF GRAPHIC DESIGN
This course surveys the development of design for print media, beginning with the first systems of written language and hand-illustrated manuscripts. It then spans the evolution of graphic design from the invention of the printing press to the plethora of modernist and contemporary design styles utilizing digital hardware and software.

Credits: 3
Prerequisites: ART 202
Course Notes: Must have prereq or consent of instructor.

ART 270 - TOPICS IN MODERN ART

Credits: 3
Attributes: Humanities
Prerequisites: ART 202

ART 270R - TYPOGRAPHY I
This course introduces the history of the printed word, type development, anatomy, classification, usage, and legibility. Text hierarchies and type family characteristics are explored and applied to design projects. Production skills for type utilization and file preparation for print and web design are emphasized. (Prerequisite: ART 203)

Credits: 3
Prerequisites: ART 203
ART 291 - GRAPHIC DESIGN 2
Continuing the use of InDesign, this course introduces multiple-page documents and preparation for multi-media campaigns. Students continue to apply design principles and concepts of typography, color theory, composition, and print production as they expand to dimensional design through prototypes and physical mock-ups.
Credits: 3
Prerequisites: ART 203 and ART 261 and ART 235

ART 295 - MM WEB DESIGN
This course introduces the essential structure of various web-programming languages. Students learn basic hand coding for HTML5, CSS3, and JavaScript. Coverage includes designing for web standards, accessibility, usability and workflow for web design.
Credits: 3

ART 301 - IPHONEOGRAPHY AND THE DEMOCRATIC CAMERA
Everyone is a photographer and cameraphones are everywhere. This course will explore the creative and ethical implications of using the iPhone as an artistic and journalistic tool. Students must have an iPhone 8 or newer to enroll in the course, and will be expected to download various photography apps for use in the class. We will use the iPhone to create, edit, and post photographic work online. Students will learn a new set of photographic standards, applications, and practices through individual and group shooting assignments, readings, examples of contemporary photographic work, and excursions to galleries and museums.
Credits: 3
Attributes: Humanities

ART 305 - DOCUMENTARY VIDEO STORYTELLING
A beginning course in documentary storytelling, including planning the project, shooting video, editing and completion of the project.
Credits: 3
Attributes: Humanities

ART 307 - ADV DIGIT PHOTO
This advanced digital imaging course facilitates mastery of concept-driven image creation for artistic and client-based projects. Students refine composition, color correction, use of layers and masking, advanced retouching techniques, and the use and integration of type to create refined and complex image-driven design work. (Prerequisite: ART 235)
Credits: 3
Prerequisites: ART 235

ART 310 - ADVANCED DRAWING I
Credits: 3
Attributes: Humanities
Prerequisites: ART 211

ART 311 - ADVANCED DRAWING II
Credits: 3
Attributes: Humanities
Prerequisites: ART 310

ART 311R - BUS OF ART/DES
This class focuses on the administrative side of artistic business. Students will explore business concepts and theories and how they apply differently to artistic services. The theories presented will better prepare them for moving into management positions and/or run their own business. Content includes: financial issues and terminology, marketing, personnel and business organization.
Credits: 3

ART 312R - 2D ANIMATION
Students are introduced to the theory and principles of animation for design interaction, including storyboarding and the development of time-based animation techniques for web, app design, digital publishing, and video. (Prerequisites: ART 203, ART 108)
Credits: 3
Prerequisites: ART 108 and ART 203

ART 315 - ADVANCED PAINTING I
Credits: 3
Attributes: Humanities
Prerequisites: ART 108

ART 316 - ADVANCED PAINTING II
Credits: 3
Attributes: Humanities
Prerequisites: ART 315

ART 319 - INDEPEND STUDY
Independent studies allow a student to explore a topic or area of interest. Students will propose a topic for tutorial study under the guidance of a supervising faculty member. Course can be repeated up to 12 hours.
Credits: 3

ART 320R - PACKAGING DESIGN
In this advanced course, students develop sophisticated packaging systems through the study of the science and art of package design. They learn the value of packaging, through consumer research, branding and positioning, and gain an understanding of how to develop successful packaging for a variety of client needs. Students will understand structural design and packaging solutions, from concept and ideation to the production of prototypes and physical mock-ups. (Prerequisite: ART 291)
Credits: 3
Prerequisites: ART 291

ART 321 - PHOTOBOOK HISTORY & PRACTICE
History and practice of the photobook. Students will photograph a major subject over the course of the semester, edit the photographs, and layout and publish a photobook. Basic Photoshop, camera technique, and the history of the photobook will also be covered. Both film and digital cameras can be used for the course.
Credits: 3
Attributes: Humanities

ART 325 - PHOTOGRAPHY
Introduction to black & white film photography covering basic camera and darkroom techniques. Students will shoot and develop black and white film, and make prints using traditional darkroom equipment. Cameras will be provided by the department.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 102

ART 325R - BRAND IDENTITY DESIGN
Students explore advanced principles of visual communication theory, including applications of typographic design, logo design and the creation of symbolic visual systems, such as pictorial icons, navigation and corporate identity. Students research how graphic identity systems support branding. (Prerequisite: ART 291)
Credits: 3
Prerequisites: ART 291
ART 326 - ADVANCED CERAMICS I
Students engage in personal independent work as well as in-depth study of general sculpture, ceramic history and glaze chemistry, which includes discussion of glaze ingredients and how to formulate glaze recipes. Students pursue individual projects in hand-building, emphasizing individual style and content, and develop increasingly sophisticated wheel thrown forms, including but not limited to 4"-5" tall forms, a pitcher and plate.
Credits: 3
Attributes: Humanities
Prerequisites: ART 232

ART 328 - DOCUMENTARY PHOTO
An exploration of documentary photography consisting of camera usage, shooting assignments, slide lectures, and computer work using Photoshop. No previous photography experience required. Cameras will be provided for the semester. This course will introduce the computer as a powerful tool for the photographer. We will discuss the ethical, philosophical and practical considerations regarding digital imaging. We will be using flat-bed scanners, 35mm slide and negative scanners, and digital cameras for inputting images into the computer. Adobe Photoshop will be our primary imaging program.
Credits: 3
Attributes: Humanities

ART 328R - DIGITAL MARKETING DESIGN
In this advanced course, students extend their knowledge of publication design into digital media. They are introduced to industry tools and techniques for delivering publication content such as newsletters, magazines and email blasts for electronic devices. Students will develop typography, imagery, graphics and color schemes appropriate for digital media and will promote the project using industry-standard electronic marketing. (Prerequisite: ART 291)
Credits: 3
Prerequisites: ART 291

ART 329 - TEXTILE ARTS AND MATERIAL ARTS
On- and off-loom techniques employing various media.
Credits: 3
Attributes: Humanities

ART 330 - ADVANCED TEXTILE AND MATERIAL ARTS
Continuation of Art 329.
Credits: 3
Attributes: Humanities
Prerequisites: ART 329

ART 331 - WORLD TEXTILES
This course will investigate the historic roots of knitting and apply traditional techniques to 21st century design and fashion concepts. The focus will be on eco-sustainability and repurposing fabrics/garments.
Credits: 3
Attributes: Humanities, Women Gender Studies

ART 332 - ADVANCED CERAMICS II
Students develop personal style using all appropriate techniques with work expected to be ambitious and students conversant in modern and historical trends in ceramic art. Opportunity to personalize glazes. Wheel thrown pots include forms 6"-10" tall, lidded vessels, and 2-part forms, such as goblets, and wide forms, if earlier stages have been mastered. Students may also create a bust, autobiographical teapot, or visual ode to a person, place or thing.
Credits: 3
Attributes: Humanities
Prerequisites: ART 326
Course Notes: Consent of instructor

ART 337 - SPECIAL TOPICS: ADVANCED COURSES IN ART HISTORY
Course Notes: Consent of instructor
Credits: 3
Attributes: Humanities
Prerequisites: ART 201 or ART 202

ART 337R - MOBILE INTERACT
This advanced course will develop students’ ability to work collaboratively in team situations to develop a responsive application for mobile devices. Students continue to explore information architecture, develop content strategy, design prototypes, and execute user testing across platforms. (Prerequisite: ART 253)
Credits: 3
Prerequisites: ART 253

ART 338 - DIG VIDEO SOUND
This course is designed to provide students with hands-on training in digital video and sound production, with emphasis on creating video content for digital publications, the internet, and mobile and wireless delivery. Students develop video production skills, lighting, sound, camera operations and editing. They work collaboratively to develop and produce a video project. Students are introduced to multi-camera shooting and the crew roles necessary to produce live streaming productions. Professional acquisition, post-production, and media content creation tools will be used for students to gain real world knowledge of best practices in the field. (Prerequisite: ART 108)
Credits: 3
Prerequisites: ART 108

ART 338R - DESIGN CAPSTONE
In this advanced course, students utilize concept development, design, photography, illustration, and video to create an interactive digital publication for tablet devices that demonstrates a mastery of interactive tools and techniques. Students write a creative brief, design appropriate graphics and navigational elements, develop a library of photographs and illustrations, produce video, and develop all other aspects of the final publication. (Prerequisite: ART 291)
Credits: 3
Prerequisites: ART 291

ART 340R - PROF PORTFOLIO
Students examine methods and techniques for presenting print, web and interactive design work to prospective employers and clients. Students will produce multiple presentations of their portfolio; throughout the course, they develop and design a personal branding package, ready to present their work in a professional manner. (Prerequisite: Must have Senior status)
Credits: 3
ART 342 - ADV TYPOGRAPHY
Students apply their knowledge of typography towards creative and technical projects designed to explore systems of text-based visual communication. Styling type for content is emphasized, as are both contemporary and historical typographic design trends and preparation of files of pre-press production. (Prerequisite: ART 270)
Credits: 3
Prerequisites: ART 270

ART 343 - PRODUCING THE DOCUMENTARY PHOTOGRAPHY EXHIBITION
Conceptualizing, editing, and producing a documentary photography exhibition using student and/or professional work. Working together, students will generate ideas for an exhibition in the Gage Gallery, locate/produce work, and install the project in the gallery. The class will focus on the practice of curating a photography exhibition, which will include developing a theme and choosing work, writing statements/artist biographies, and promoting the exhibit to the community.
Credits: 3
Attributes: Humanities
Course Notes: Sophomore standing
Prerequisites: ENG 102

ART 346 - ADV DIGIT ILLUST
Students learn advanced digital illustration skills through a variety of client-driven, creative projects. Students research illustration styles and techniques and incorporate both historic and contemporary trends into their work. Through concept development and ideation, students create sophisticated, professional-quality pieces.
Credits: 3
Prerequisites: ART 203

ART 348 - PINHOLE TO CAMERAPHONE: PHOTOGRAPHY'S HISTORY AND PRACTICE
The history and practice of early, middle-period, and contemporary photography. Slide examples of the history of photography; hands-on work with pinhole cameras, large format cameras, digital cameras, and camera phones. Field trips to galleries and/or museums in the city to view examples of work presented in the class.
Credits: 3
Attributes: Humanities

ART 352 - PUBL DESIGN
This advanced class focuses on the development and production of multi-page print publication integrating typography techniques, vector and raster images, and graphic elements. Students research and work collaboratively to develop and design content for a large-scale professional quality publication. (Prerequisites: ART 270 & ART 291)
Credits: 3
Prerequisites: ART 291

ART 356 - ADV INTERNSHIP
Students serve as interns and apply their skills in real-world employment situations. All internships are project-oriented and directly related to their focus in design. Internships are served under the sponsorship of a faculty advisor, and students will be required to document the results of their experience. Course can be repeated up to 12 hours. (Prerequisite: Junior status)
Credits: 3
Prerequisites: ART 355

ART 360 - ART AND ACTIVISM
This course is a collaborative course designed to partner with a community organization to create works of art that deal with issues of social concern. Students and members of the organization will join together to conceptualize and execute works of art that will have some impact on society. Lectures, discussion and field trips will be part of the course. No previous art experience is required.
Credits: 3
Attributes: Humanities
Course Notes: Sophomore standing

ART 380 - SR INTERNSHIP
Graphic Design students are required to complete an internship during their senior year of study in order to create professional portfolio pieces, understand workflow, develop project management skills, and gain experience working with clients. Students will shadow senior designers, build self-confidence, and transition from school to the professional world. Internships last approximately ten weeks, and students must complete 100 hours of work during that time. (Prerequisite: Senior status)
Credits: 3
Attributes: Humanities
Course Notes: Consent

ART 390 - INTERNSHIP
In-service training with an arts organization, design or graphics company, or gallery. Student gains knowledge and skills in area of special interest. Offered in conjunction with faculty advisor by consent only.
Credits: 1-6
Attributes: Humanities
Course Notes: Consent

ART 395 - INDEPENDENT STUDY FINE ARTS OR ART HISTORY
Advanced work in any area of fine arts or art history; opportunity to do independent creative work. Students and professor define work to be done during semester.
Credits: 1-6
Attributes: Humanities
Course Notes: Consent
BIOCHEMISTRY (BCHM)

BCHM 320 - PHYSICAL CHEMISTRY FOR BIOSCIENCE
Survey of the principles of physical chemistry that govern molecular structure and chemical reactivity in biochemical systems. Topics include thermodynamics, kinetics, quantum mechanics, computational chemistry and spectroscopic techniques and their application for the study of structure and functioning of biomolecules.
Credits: 3
Prerequisites: CHEM 212 and CHEM 201 and CHEM 202 and CHEM 211
Course Notes: BIOL 301 recommended.

BCHM 344 - BIOINORGANIC CHEMISTRY
Survey of biological molecules that involve metal ions and/or metal-containing cofactors; the interaction and biological significance of metal ions including medicinal applications.
Credits: 3
Prerequisites: CHEM 212
Course Notes: BIOL 301 recommended.

BCHM 355 - BIOCHEMISTRY
Electron transport chain, protein structure, enzyme kinetics, biosynthesis and intermediary metabolism of amino acids, and carbohydrates and lipids. Included in the biotechnology certificate program.
Credits: 3
Prerequisites: CHEM 202 and CHEM 212 or BIOL 301
Course Notes: Also for BIOL major credit.

BCHM 356 - EXPERIMENTAL METHODS IN BIOCHEMISTRY & BIOTECHNOLOGY
Biochemical techniques including enzyme and lipid assays, isolation, and analysis of biologically relevant macromolecules.
Credits: 3
Prerequisites: BCHM 355 (may be taken concurrently)
Course Notes: Also for BIOL major credit, Lab/Course Fee $200.00

BCHM 357 - ADVANCED BIOCHEMISTRY
This course covers advanced topics in the chemistry of life and is designed to build upon the fundamental understanding of biochemical topics as presented in introductory biochemistry. The course will focus on protein structure-function relationships and metabolic pathways in human and non-human organisms. Modern biochemical problems and new developments in biochemical techniques will also be explored through primary literature readings and student presentations.
Credits: 3
Prerequisites: BCHM 355
Course Notes: Also for BIOL major credit.

BCHM 392 - RESEARCH IN BIOCHEMISTRY
Independent science laboratory research experience under the guidance of a faculty researcher; 1 to 4 semester hours total may be applied toward the BS degree. Students may register in consecutive semesters.
Credits: 1-4
Attributes: Lab Course
Course Notes: Consent of instructor.

BCHM 393 - BIOCHEMISTRY SEMINAR
This course primarily involves searching, reading, and critiquing primary literature on biochemical topics, learning how to give a technical seminar, and presenting a seminar to technical audience. Weekly assignments will consist of reading, discussing, and writing short reviews of recent biochemical research published in the literature. You will learn how to give a technical presentation by attending and critiquing seminars presented by speakers within and outside of the Roosevelt community, and by preparing and giving a presentation on a literature topic of your choice.
Credits: 1
Prerequisites: BIOL 301 or BCHM 355
Course Notes: Consent of instructor

BCHM 395 - INDEPENDENT STUDY
Independent library research culminating in a formal review paper on a topic approved by the instructor.
Credits: 1-2
Course Notes: Consent of instructor, Students must arrange for a library independent study, with an instructor prior to registration, may register for only 1 SH per semester up to two semesters.
Anatomy & Physiology I covers the integumentary, skeletal, muscular and nervous systems, including the link between the structure and function of various organ systems. The primary underlying principle discussed is homeostasis, and for each system various pathological conditions and their causes will also be discussed. Material taught in lecture will be reinforced in laboratory using student designed experiments, demonstrations, and a detailed study of models and preserved specimens.

Credits: 1, 3
Attributes: Lab Course
Prerequisites: MATH 096 and BIOL 123
Course Notes: Must take BIOL 124 lecture and lab concurrently.

Biology 124 - Anatomy & Physiology II
Anatomy & Physiology II covers the endocrine, circulatory, lymphatic, respiratory, digestive, urinary and reproductive systems, including the link between the structure and function of the various organ systems. The primary underlying principle discussed is homeostasis, and for each system various pathological conditions and their causes will also be discussed. Material taught in lecture will be reinforced in laboratory using student designed experiments, demonstrations, and a detailed study of models and preserved specimens.

Credits: 1, 3
Attributes: Lab Course
Prerequisites: MATH 096 and BIOL 123
Course Notes: Must take BIOL 124 lecture and lab concurrently.
BIOL 301 - CELLULAR & MOLECULAR BIOLOGY
Biological principles relating to cellular and subcellular levels of organization. Topics include introductory biochemistry, cell biology and ultrastructure, and cell physiology. Laboratory includes cloning methods. Lecture, laboratory, and discussion.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: CHEM 210 or CHEM 211

BIOL 302 - DIVERSITY AND EVOLUTION
Darwin, The Origin of Species, evolution through natural selection, population genetics, speciation, history of the earth, progression of life through the ages, human origins. Open to well-prepared nonmajors.
Credits: 3
Attributes: Natural Science
Prerequisites: BIOL 202

BIOL 304 - HISTOLOGY & ULTRASTRUCTURE
Histology is the study of the microanatomy of cells, tissues, and organs as seen through a microscope. It examines the correlation between structure and function. This course will discuss preparation of tissues for microscopic examination, different types of microscopy, immunohistochemistry, and interpretation of tissue sections.
Credits: 2,3
Attributes: Lab Course
Prerequisites: BIOL 202
Course Notes: or consent.

BIOL 314 - QUANTITATIVE ECOLOGY AND CONSERVATION
Designing ecological experiments to answer critical questions about climate change, urbanization, ecosystem processes and conservation. This course will be skill-based with a focus around experimental designs, experimental manipulation, emphasizing statistical analyses, intensive field and laboratory exercises, and scientific report writing. Lectures and discussions will review current information on climate change and ecosystem processes in the context of current paradigms of global conservation. Lecture and Laboratory.
Credits: 1-5
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 123 and BIOL 124 or BIOL 201
Course Notes: or instr. consent.

BIOL 315 - BIOSTATISTICS
Design, analysis, and interpretation of biological data using statistics.
Credits: 3
Prerequisites: BIOL 202
Course Notes: or instr. consent

BIOL 318 - BIOSTATISTICS
Study of the major plant groups, their classification and taxonomy, the anatomy used to identify species. Ethno-botanical importance (e.g. medicinal uses), anatomy, morphology and ecology of plant species will be emphasized. Ecological and economic importance of weedy and invasive species in an ecosystem context will be discussed. Principles of classifying seed plants by families will be introduced in the field and in the herbarium at The Field Museum.
Credits: 4
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 201 or BIOL 202

BIOL 323 - TROPICAL MARINE BIOLOGY
Exploration of tropical habitats, both marine and terrestrial, in terms of basic biology and ecology and current threats due to development. Emphasis is on coral reefs, including snorkeling of the second largest barrier reef in the world off Ambergris Caye in Belize, with opportunities to observe diverse wildlife in the field. Terrestrial field trips include beaches, mangrove swamps, and tropical deciduous forests. Visits to Mayan ruins and the Belize Zoo on the mainland emphasize local cultural ties to the environment.
Credits: 2
Attributes: Lab Course, Natural Science, Travel Based Study
Prerequisites: BIOL 324 (may be taken concurrently)
Course Notes: One prior college science course required or consent of, instructor.

BIOL 324 - MARINE BIOLOGY
Physical forces, biodiversity, organismal function, and ecological interactions that form marine environments. The principles of cell biology, organismic physiology, biomechanics, and ecology applied to marine biological problems.
Credits: 3
Attributes: Natural Science
Prerequisites: BIOL 201 or BIOL 202 or BIOL 112
Course Notes: BIOL 323, Tropical Biology, can be taken as a lab for this, course. One prior college science course with a min grade, of C required.

BIOL 329 - PHYSIOLOGY: MECH. & DISORDERS
Learning to approach human physiology from a medical perspective. This course covers the basic systems of the human body through a focus on case studies and medical applications, focusing on the functions and disorders of the digestive, reproductive, circulatory and nervous systems.
Credits: 3
Attributes: Natural Science
Prerequisites: (BIOL 111 or BIOL 112 or BIOL 201) and (CHEM 100 or CHEM 101 or CHEM 201)

BIOL 330 - PHYSIOLOGY: MECH. & DISORDERS
Patterns of life in the prairie ecosystem. Evolutionary relationships of prairie plants, their adaptations, and interactions with soil, water, and other organisms. Study of the major plant groups, their classification and taxonomy, the anatomy used to identify species. Ethno-botanical importance (e.g. medicinal uses), anatomy, morphology and ecology of plant species will be emphasized. Ecological and economic importance of weedy and invasive species in an ecosystem context will be discussed. Principles of classifying seed plants by families will be introduced in the field and in the herbarium at The Field Museum.
Credits: 4
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 112 or BIOL 202
Course Notes: Includes offsite field trips.
**BIOL 336 - INTRODUCTION TO NEUROSCIENCE**

Complex behaviors are possible because of the brain. Our goal is to understand this complex organ and how it functions to allow for human behavior. Fundamental neural systems (such as sleep and motivation), higher cortical functioning (such as language and attention), and brain plasticity will be covered.

Attributes: Natural Science
Prerequisites: BIOL 123 or BIOL 124 or BIOL 201
Course Notes: 4 SH in Biol

**BIOL 337 - NUTRITION IN AMERICA**

This course will look at our understanding of nutrition and its effect on the body through the lens of the dual epidemics of obesity and food insecurity in America. Students will learn about epigenetic, microbiome and physiological effects of diet through primary and secondary literature and group projects. Students will also learn about the challenges involved in combating food insecurity and improving the American diet through a service-learning component.

Credits: 3
Attributes: Natural Science
Prerequisites: (BIOL 301 (may be taken concurrently)) and (BIOL 123 (may be taken concurrently) or BIOL 201 (may be taken concurrently))

**BIOL 339 - EVOLUTIONARY PHYSIOLOGY**

Learning to approach animal physiology from an evolutionary perspective. This course covers mechanisms by which animals perform life-sustaining functions, the evolution and adaptive significance of physiological traits, the diversity of physiological mechanisms, and how physiology and the environment interact. Laboratory involves dissection and study of physiological traits in a variety of different animals as well as experiments on the adaptive significance of traits.

Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 201 or (BIOL 123 and BIOL 124)

**BIOL 344 - MAMMALOGY**

This course will typically be held at the Field Museum of Natural History (Roosevelt Road and Lake Shore Drive) in order to take advantage of one of the world’s premier natural history museums and mammal collections. The course will review the origins and evolutionary relationships of the Mammalia, as well as the Orders of Mammals and the characters that define them. Other topics discussed include reproductive strategies, social behavior, locomotion, feeding, communication, patterns in their geographic distribution. Each 2 ½ hour class session will include both lecture and a mini lab using the museum’s exhibits or specimen collections. Basic working knowledge of taxonomy, phylogeny, comparative anatomy and evolutionary concepts is required.

Credits: 3
Attributes: Natural Science
Prerequisites: BIOL 201 and BIOL 202
Course Notes: Some sessions will held at the Field Museum, of Natural History

**BIOL 350 - CANCER BIOLOGY**

This course provides students with knowledge of the fundamental principles of the molecular and cellular biology of cancer cells. Biology of Cancer is designed to illustrate basic aspects of cancer development, and to discuss how molecular genetic approaches can be used to reveal fundamental processes of carcinogenesis. Lectures and demonstrations explain the role of growth factors, oncogenes, tumor suppressor genes, angiogenesis, and signal transduction mechanisms in tumor formation. Discussion of aspects of cancer epidemiology, prevention, and principles of drug action in cancer management is part of the course.

Credits: 3
Attributes: Natural Science
Prerequisites: BIOL 301
Course Notes: or equivalent.

**BIOL 351 - GENERAL GENETICS**

Classical and molecular genetics. Transmission genetics, chromosome genetics, interaction of genes with sex and environment, mapping, DNA structure and replication, transcription, translation, chromosome structure and genome organization, extrachromosomal inheritance, mutagenesis, gene expression. Genetics of plants, insects, vertebrates, fungi, bacteria, and viruses.

Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 201 and BIOL 202 and BIOL 301
Course Notes: or instr. consent Must register for same lect-lab, sect. of BIOL 351

**BIOL 353 - MOLECULAR BIOLOGY**

The structure of nucleic acids and chromosomes, DNA replication and repair, general and site-specific recombination, control of gene expression at the transcriptional and translational levels, oncogenes and retroviruses. Laboratory techniques include PCR, DNA fingerprinting, and DNA sequencing. Included in the biotechnology certificate program. Lecture, laboratory, and discussion.

Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 201 and BIOL 202 and BIOL 301
Course Notes: or instr. consent

**BIOL 356 - DEVELOPMENTAL BIOLOGY**

Basic principles and processes of embryology and development; selected invertebrates, vertebrates, and plants.

Credits: 3
Attributes: Natural Science
Prerequisites: BIOL 301

**BIOL 358 - CELL BIOLOGY**

Molecular interactions that provide the foundation for the structure and functions of the cell. Topics include protein structure and function, membrane transport, post-translational modifications of proteins and protein secretion, cell cycle regulation, cell signaling and mechanisms of development and differentiation. Laboratory techniques include SDS-PAGE, cell fractionation, bacterial protein expression and purification, and immunohistochemistry. Included in the biotechnology certificate program. Lecture, laboratory and discussion.

Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 301
Course Notes: or Instr.consent.
BIOL 360 - MICROBIOLOGY
Structure and function of prokaryotic cells, including metabolic and genetic diversity; emphasis on differences and similarities with eukaryotes. Roles microbes play in human body, soil, and water ecosystems. Special emphasis on human diseases and microbial processes for the maintenance of biosphere. Applications to medicine, biotechnology, food processing, agriculture, pollution control. Laboratory includes proficient and safe handling of microorganisms, identification of unknown bacteria, and biochemical and microscopic methods. Included in the biotechnology certificate program.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 301

BIOL 361 - INFORMATION TECHNOLOGY FOR SCIENCES
Methods for finding biological and biotechnological information. Online and hard copy methods with an emphasis on the use of various computer databases and the Internet.
Credits: 3
Attributes: Natural Science
Prerequisites: BIOL 301 and CHEM 212
Course Notes: or Instr. consent

BIOL 366 - ECOL & EVOL OF MICRO ORG
Interrelationships among microorganisms and their adaptation to the physical, chemical, and biological properties of their environments. Contexts include human health, the human microbiome, and host-pathogen interactions; the natural environment and microbial contributions to matter and energy flow; and applications of microorganisms to industrial processes. Examples of microorganisms from the 3 domains of life will be studied, with special emphasis on microbial diversity. Laboratory focuses on qualitative and quantitative methods for the study of microbial communities, characterization of metabolic and genetic diversity, and emerging research tools. Intended for advanced undergraduates and graduate students
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 360 and BIOL 301 and CHEM 211

BIOL 367 - IMMUNOLOGY
Humoral and cellular immune responses, generation of immune diversity, autoimmunity and immunodeficiency diseases. Immunologic assays relevant to clinical settings. Laboratory techniques include antibody-antigen interactions, ELISA, and the purification of lymphocyte populations. Included in the biotechnology certificate program. Lecture, laboratory, and discussion.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 301

BIOL 369 - CONSERVATION BIOLOGY: AFRICA
Conservation Biology—Tropical Africa is a 10 day, field-based course that will largely be carried out in the Amani Nature Reserve, Tanzania, where Dr. Norbert Cordeiro (Roosevelt University) and Dr. Henry Ndangalasi (University of Dar es Salaam, Tanzania) have been working since 1998. Field work will include (i) conducting applied ecological studies relevant to conservation in the area, (ii) discussing and problem-solving issues of poverty and conservation affecting human access to resources, (iii) meeting with Tanzanian stakeholders to gain an appreciation of the fullness of the solutions required to conserve one of the world’s most important forests. Students will also spend 2 days in a savannah habitat at one of Tanzania’s premier national parks. This course will involve designing ecological experiments, experimental manipulation, statistical analyses, intensive field and laboratory exercises, and scientific report writing.
Credits: 3
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 202

BIOL 371 - THE BIOLOGY OF AGING
The biological relationships between the normal activities of life and aging. Changes in structure and function at various levels of biological organization (subcellular population) with age. Lectures, expert guest speakers, student seminars, term paper.
Credits: 3
Attributes: Natural Science
Prerequisites: BIOL 111 or BIOL 201
Course Notes: and inst. approval. Must have a min of 3 hours of a 100, level BIOL course with a min grade of C-.

BIOL 381 - BIOLOGY OF BIRDS: ORNITHOLOGY
This is a hands-on course in the study of birds, from basic biology, to evolution, taxonomy, anatomy, ecology and behavior. There will be labs at the Field Museum using real specimens, and the exploratory field work component will include bird identification skills and bird ecology and behavior. Using a combination of lectures and invited speakers, students will build a firm and solid foundation on bird behavior, ecology and evolution, which will include a plethora of field techniques and laboratory skills.
Credits: 4
Attributes: Lab Course, Natural Science
Prerequisites: BIOL 202
Course Notes: Mandatory pre-session TBA; field work included.

BIOL 383 - SPECIAL TOPICS IN BIOLOGY
Discussion and critical review of contemporary issues in biology and biomedical sciences based on student and instructor interests. Discussions are intended to foster thought and exploration of solutions to problems in health care, biological research, and approaches to combat health disparities.
Credits: 3
Attributes: Natural Science
Prerequisites: BIOL 301

BIOL 391 - MEDICAL INTERNSHIP
Off-campus experience at area medical facility. Rotation through at least five medical specialties at a hospital or an approved medical or biomedical research or clinical facility. At least 12 contact hours.
Credits: 1-6
Course Notes: Approval of pre-professional advisor.
**BIOL 392 - RESEARCH IN BIOLOGY**
Independent science laboratory research experience under the guidance of a faculty researcher; 1 to 4 semester hours total may be applied toward the BS degree. Students may register in consecutive semesters.

Credits: 1-4

Attributes: Natural Science

Course Notes: Consent of instructor. $100 per semester hour., Students must arrange for independent laboratory, research experience with a science faculty, member prior to registration.

**BIOL 393 - VETERINARY INTERNSHIP**
Off-campus experience with a veterinarian or veterinary clinic.

Credits: 1-3

Attributes: Natural Science

Course Notes: Approval of pre-professional advisor.

**BIOL 395 - INDEPENDENT STUDY**
Independent library research culminating in a formal review paper on a topic approved by the instructor.

Credits: 1-4

Attributes: Natural Science

Course Notes: Consent of instructor., Students must arrange for a library independent study, with an instructor prior to registration, may register for only 1 SH per semester, up to two semesters.

**BIOL 396 - BIOLOGY INTERNSHIP**
Internship off-campus related to the biological sciences. A maximum of 3 SH can be taken.

Credits: 1-4

Attributes: Natural Science

Course Notes: Approval of science advisor.
BUSINESS ADMINISTRATION (BADM)

BADM 100 - DISCOVERING ENTREPRENEURSHIP
Have you considered self-employment as a future career option? Or joining an existing family business? Or perhaps launch a non-profit organization to assist others? ‘Discovering Entrepreneurship’ uses experiential activities to cover the required steps to devise, trial and grow an e-commerce enterprise. Practical lessons will be learned that can be used within a corporation or with a startup venture.
Credits: 1,3
Course Notes: Open to all undergraduate students.

BADM 101 - INTRODUCTION TO BUSINESS
Comprehensive overview of the business world and business basics. Topics include: Personal money management, marketing, organizational management, accounting/finance operations and ethics in business. Today's changing business environment; focus on careers in business and business career options.
Credits: 3
Course Notes: This course is open to only Freshman and Sophomores. Required of all Freshman Business majors. This course can be taken for elective credit, by non-Business majors.

BADM 103 - PERSONAL FINANCE
The course will expose students to a set of skills and knowledge of personal finance that will help them better understand various aspects of financial literacy/management and make better financial decisions. Topics may include: credit scores and their management, auto and student loans, identity protection, financing higher education, and income taxes.
Credits: 3
Course Notes: OPEN TO ALL FRESHMAN AND SOPHOMORES

BADM 203 - PERSONAL FINANCE
The course will expose students to a set of skills and knowledge of personal finance that will help them better understand various aspects of financial literacy/management and make better financial decisions. Topics may include: credit scores and their management, auto and student loans, identity protection, financing higher education, and income taxes.
Credits: 3
Course Notes: Required for all Business majors other than Transfer, students. Meets experiential learning requirement under, CORE. May be taken for elective credit by non-Business, majors.

BADM 398 - PROFESSIONAL BUSINESS ADMINISTRATION INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 6 credit hours can be applied to undergraduate business program.
Credits: 1-6
Course Notes: Internship requirements vary by major, consent is required, by the Internship Coordinator in the Heller College of, Business.
BUSINESS COMMUNICATIONS (BCOM)

BCOM 301 - BUSINESS COMMUNICATIONS
Focuses on building strategic capability and specific skill sets necessary for effective written and oral business communication in the age of domestic diversity and globalism. The communication process, Internet-based and traditional research techniques, presentation strategies, nonverbal and intercultural communications, the impact of new technologies and ethical considerations in communication are addressed.
Credits: 3
Prerequisites: ENG 102
BLAW 201 - BUSINESS LAW I
Formerly ACCT 201. Background, development, and institutional setting of controls; economic significance of law as formal agency of social control; law of business contracts; agency principles with emphasis on business ethics. Legal and equitable principles as they relate to business associations: partnerships, limited partnerships, and corporations. How common law is developed and modified by statute, including Uniform Commercial Code.
Credits: 3
CHEMISTRY (CHEM)

CHEM 100 - FOUNDATIONS OF CHEMISTRY
This course covers some fundamentals of chemistry: properties of matter, units and unit conversations, chemical bonding, stoichiometry, thermodynamics. The focus will be on concepts, skills, and abilities needed for success in subsequent chemistry courses. This course is appropriate for non-scientists and science majors with little or no chemistry background, or who need additional assistance with math concepts. It meets the university general education requirement for natural science. Not for major credit in the sciences.
Credits: 3
Attributes: Natural Science
Prerequisites: MATH 095 or MATH 096 (may be taken concurrently)
Course Notes: Not for major credit in Chemistry or Biology.

CHEM 201 - GENERAL CHEMISTRY I
Stoichiometry, atomic structure, chemical periodicity, chemical bonding, properties of matter, and thermochemistry. Laboratory required.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: MATH 121 (may be taken concurrently)

CHEM 202 - GENERAL CHEMISTRY II
Solutions, chemical kinetics, chemical equilibrium, acid-base theory, solubility products, complexation, and electrochemistry. Laboratory required.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: CHEM 201 and MATH 121

CHEM 210 - SURVEY OF ORGANIC CHEMISTRY
An overview of organic chemistry for students who need only one semester of organic chemistry. This course will explain basic concepts of organic chemistry, including nomenclature, structure (including stereochemistry), reactions, reaction mechanisms, and synthetic uses of alkenes, alkenes, alkyl halides, alcohols, amines, carbonyl compounds, aromatic compounds, and organometallic compounds, as well as peptide and protein chemistry. Laboratory experiments on these topics are an integral part of the course.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: CHEM 201 and CHEM 202

CHEM 211 - ORGANIC CHEMISTRY I
This represents the first part of a two-semester sequence. Laboratory experiments represent an integral part of this course. Students will extend their knowledge of basic concepts of organic chemistry, including the structure, reaction mechanisms, and synthetic uses of a variety of organic molecules, including alcohols, amines, and carbonyl, aromatic, and organometallic compounds. The laboratory includes the synthesis, purification, and identification of organic compounds as well as instrumental methods in organic chemistry.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: CHEM 211 and CHEM 202 and CHEM 201

CHEM 212 - ORGANIC CHEMISTRY II
This represents the second part of two-semester sequence. Laboratory experiments represent an integral part of this course. Students will extend their knowledge of basic concepts of organic chemistry, including the structure, reaction mechanisms, and synthetic uses of a variety of organic molecules, including alcohols, amines, and carbonyl, aromatic, and organometallic compounds. The laboratory includes the synthesis, purification, and identification of organic compounds as well as instrumental methods in organic chemistry.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: CHEM 211 and CHEM 202 and CHEM 201

CHEM 237 - QUANTITATIVE ENVIRONMENTAL ANALYSIS
Classical wet chemical methods for quantitative chemical analysis. Emphasis on environmental chemistry applications. Topics include a review of stoichiometry; statistical treatment of data; and mathematical treatment of acid-base, solubility, complexometric and electrochemical equilibria. Required laboratory provides experience in classical volumetric, gravimetric, potentiometric, and photometric methods of analysis; representative field sampling techniques; and quality assurance/quality control techniques.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: CHEM 202

CHEM 313 - ADVANCED ORGANIC CHEMISTRY LAB
Spectrometric methods for determining the structures of organic compounds. Mass spectrometry, proton and carbon FT-NMR, infrared, ultraviolet, and visible spectroscopy. Laboratory includes synthesis of organic compounds and applied spectroscopic methods.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: CHEM 212 and CHEM 202
Course Notes: Lecture and Lab course

CHEM 337 - INSTRUMENTAL ANALYSIS
Basic theories and experimental techniques of instrumental methods of analysis including ultraviolet-visible and fluorescence spectroscopy, atomic absorption, gas and liquid chromatography, and mass spectrometry. Laboratory includes experiments involving all of these instrumental techniques to analyze a variety of samples.
Credits: 2,3
Attributes: Lab Course, Natural Science
Prerequisites: CHEM 212 and CHEM 202
Course Notes: Lecture and Lab course

CHEM 341 - INORGANIC CHEMISTRY
Survey of theoretical and synthetic inorganic chemistry. Atomic theory, bonding theory, crystal structure, chemical periodicity, coordination compounds, acid-base systems, and molecular symmetry.
Credits: 3
Attributes: Lab Course, Natural Science
Prerequisites: CHEM 202 and CHEM 212

CHEM 344 - BIOINORGANIC CHEMISTRY
Study of biological molecules containing inorganic ligands or other components, their interactions and biological significance.
Credits: 3
Attributes: Natural Science
Prerequisites: CHEM 212 and CHEM 202
Course Notes: BIOL 301 recommended.
CHEM 352 - MEDICINAL CHEMISTRY
Chemistry and pharmacology of the principal classes of drugs; history of the development of medicinal chemistry; mechanisms of drug action; relationships between molecular structure and biological activity; the literature of medicinal chemistry; evaluation of potential drugs; perspective on the design of new drugs.
Credits: 3
Attributes: Natural Science
Prerequisites: CHEM 202 and CHEM 212

CHEM 391 - CHEMISTRY INTERNSHIP
Off-campus work experience with an approved organization.
Credits: 3
Attributes: Natural Science
Course Notes: School approval

CHEM 392 - RESEARCH IN CHEMISTRY
Independent science laboratory research experience under the guidance of a faculty researcher; 1 to 3 semester hours total may be applied toward the BS degree. Students may register in consecutive semesters.
Credits: 1-3
Attributes: Natural Science
Course Notes: Consent of instructor. $100 per semester hour. Students must arrange for independent laboratory research, experience with a science faculty member, prior to registration.

CHEM 395 - INDEPENDENT STUDY
Independent library research culminating in a formal review paper on a topic approved by the instructor.
Credits: 1-3
Attributes: Natural Science
Course Notes: Consent of instructor, Students must arrange for a library independent study, with an instructor prior to registration, may register for only 1 SH per semester up to two semesters.
COMMUNICATION (COMM)

COMM 101 - PUBLIC SPEAKING
Principles and practices of composition and delivery of speeches for effective communication to diverse audiences.
Credits: 3
Attributes: Humanities

COMM 150 - MEDIA TODAY
Considering the effects of society on media and media on society. This course will focus each semester on a different topic exploring and exposing the possibilities and issues of the ongoing relationship between media and society.
Credits: 3
Attributes: Social Science
Course Notes: Open to freshman. Journalism, Media Studies, and Integrated, Marketing Communications students cannot use 100-level, courses as electives in their majors.

COMM 201 - COMMUNICATION IN THE INFO AGE
Prerequisite course for Journalism, Media Studies and Integrated Marketing Communications majors. Overview of print and broadcast journalism, public relations, advertising and media studies; emphasis on the role and effects of media in society, particularly the transformation of mass communication resulting from current technologies.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 101

COMM 210 - WHAT IS TRUTH/FAKE NEWS?
There's no quick fix for the challenges of 'fake news' and 'alternative facts.' Course focuses on development of critical thinking skills needed to explore the boundaries, using newspapers, magazines, videos and internet resources, of our socially constructed, digital reality. This course looks at varied concepts of truth throughout history and across cultural contexts, with particular attention to similarities and differences with the modern, science-based concept of 'fact.'
Credits: 3
Attributes: Social Science
Prerequisites: ENG 102

COMM 215 - CAUSE-RELATED MARKETING
To save even small parts of the world, one needs to raise funds, create engagement, attract activists, build consensus, understand why people dedicate themselves to particular social issues, and comprehend the social and cultural limitations with which society attempts to thwart or re-direct world-improvers. Classics on this topic in psychology, sociology and cultural anthropology will frame the discussion. Heavy emphasis on the nuts and bolts of how it's done.
Credits: 3
Prerequisites: ENG 101

COMM 240 - DEMOCRACY: THE WORST FORM OF GOVERNMENT?
This course focuses on American democracy as a lived experience. Students will apply critical thinking to both confirm and challenge their concepts of, and beliefs about democratic government considering: the benefits of democracy; the flaws/limitations inherent in democracy; the citizen's obligations in a working democracy; courts and the rule of law; individual and group influence; the electoral system, its benefits and liabilities; and the role and responsibilities of media.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 101

COMM 250 - MASS MEDIA AND ACCULTURATION
Problem-based learning course addressing various modes of acculturation observable between immigrant and/or marginalized populations and host cultures and the influence of mass media in the acculturation context. Students identify problems emergent from acculturation, consider problems relative to social justice concepts and develop problem solution options with emphasis on socially-just outcomes and the role mass media might assume in implementing such solutions.
Credits: 3
Prerequisites: ENG 102

COMM 325 - ADV COMM
This course introduces students to communication theory with major emphasis on its applications in the corporate work environment. It includes extensive practical training in audience analysis, emerging technologies, group communication, presentations and other professional communication tasks and techniques. (Prerequisite: COM 101 or equivalent)
Credits: 3
Prerequisites: COM 101

COMM 345 - CROSS-CULTURAL COMMUNICATION
Communication styles and characteristics of various cultural groups. Understanding and recognizing barriers (semantics, nonverbal behavior, stereotypes, and assumed similarities) that affect communication among cultures. Fulfills the non-Western requirement.
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture
Prerequisites: ENG 102

COMM 230 - TELLING SOC JUST STORIES 2.0
Black Lives Matter, Me Too, LGBTQ & You: Telling the stories of social justice in the 21st century. Combining age-old reporting and new-age digital technology, students will learn to capture the faces, voices and narratives of today's most visible social movements. Students will study the role of the media in advancing social movements. Course culminates in a final multimedia project. Learn how to tell professional quality stories that matter.
Credits: 3
Attributes: Grounds for Change, Social Science
Prerequisites: ENG 102
COMPUTER SCI & INFO TECHNOLOGY (CST)

CST 100 - ESSENTIAL COMPUTER SKILLS
Basic hardware and software components of a PC; several of the most popular PC software applications including word processing, electronic spreadsheets, databases, Power Point, Internet Browsers, and Windows. A computer use course.
Credits: 3

CST 101 - BEYOND PC ESSENTIALS
This course covers several interesting topics for students: Essential Computer Concepts; Internet/Browsers; Windows; MS-Office; Web design; EBay; Windows Movie Maker; Photo Gallery; Simple Programming; and Publisher. In addition there is a field trip and discussion of Emerging Technologies.
Credits: 3

CST 110 - QUANT PROB SOLV
Students will use Excel as a tool to solve problems which include critical thinking and problem-solving skills that are necessary for decision-making in everyday life. The emphasis is on applying quantitative reasoning skills to realistic personal and business scenarios. Students will become effective users of information technology through the use of spreadsheet and graphical representation of data and will apply this technology to personal, academic, and professional settings. (Fulfills General Education analytical reasoning requirement)
Credits: 3

CST 130 - PROGRAMMING FOR NON-COMPUTER SCIENCE MAJORS
Computer programs for non-specialists in an easy programming language. Emphasis on style, structure, and logic. Hands-on work in a computer lab.
Credits: 3

CST 150 - COMPUTER SCIENCE I
General problem solving and the algorithm development process. Primitive & reference data types, control structures (sequence, selection, & iteration), OOP fundamentals, methods, functions, file processing, GUI apps, and multidimensional arrays. Concepts of top-down program design, testing, functional decomposition, and documentation using good programming style. Extensive programming required utilizing a higher level language such as C++ or Java. A computer use course.
Credits: 4
Prerequisites: MATH 116 or MATH 121

CST 208 - DATA BASE PROG
This is an in-depth course of the principles of database systems and management. This course will focus on the development of hands-on skills using SQL. Students will modify file structures, sort and query data, and generate forms, screens and reports. Data structures and programming techniques will be incorporated throughout the course.
Credits: 3

CST 209 - SPECIAL TOPICS IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
Special Topics in Computer Science and Information Technology. Topics may vary. See red CRN on course schedule for term specific information.
Credits: 1-3
Prerequisites: CST 100 or CST 101 or CST 115
Course Notes: or higher.

CST 220 - OPERATING SYST
This course surveys personal computer operating systems (Windows 7, 8) and provides an introduction to networking technology. Topics include file system design and management, installation and upgrade of operating systems, input/output devices, and networking devices and topologies. The course employs a computer troubleshooting approach in the instructional methodology. (Prerequisite: CIS 240 or concurrent)
Credits: 3

CST 232 - LAN
This course will provide a theoretical and practical guidance to Local Area Networking using Windows 2016 Server software. The student will focus on installing, configuring, managing and troubleshooting the Windows 2016 environment. Network hardware requirements will be discussed. Included are client server software installation, active directory set-up, network security, client account creation, and installation of print services. The student will learn to monitor and optimize the system for best performance. All concepts are introduced in both lecture and hands-on laboratory exercises.
Credits: 3

CST 236 - PYTHON SCRIPT PROGRAMMING
Using the Python programming language to learn the best-practices of programming and script-writing in a security and utility conscious environment.
Credits: 3
Prerequisites: CST 150 or CSIA 150

CST 237 - INTERNETWORKING
This course is the second course in Local Area Networks. It will provide theoretical and practical guidance to Local area networking using Windows Server 2016 software. The student will focus on the skills that are required to configure and manage identity with Windows Server 2016. Students will gain in-depth knowledge of Windows Server 2016 identity-related services, including Active Directory, user and group accounts, Group Policy, Active Directory Certificate Services, and advanced identity solutions such as Active Directory Federation Services and Active Directory Rights Management Services. (Prerequisite: CIS 232)
Credits: 3
Prerequisites: CIS 232

CST 240 - SYS ENGRNG 1
This course is a study of microcomputers and their various architectures. It encompasses many of the basic principles necessary to begin preparing for Comp TIA’s A+ certification examination. Hardware design fundamentals and hardware/software interrelationships are combined with practical hands-on experience to give the student a thorough understanding of the basic platforms pertaining to the IBM compatible/clone computer.
Credits: 3

CST 244 - SECURITY FUND
This course provides a comprehensive introduction to computer and network security. The course covers basic security principles including a detailed discussion of security attack techniques and security defense technologies. Hands-on exercises are designed to apply defensive tactics to harden a company’s servers and workstations (Windows 2016 Server and Windows 7, 8). Students learn cryptography and employ PKI (public key cryptography) to thwart attacks. The course topics are mapped to the Security+ certification.
Credits: 3
CST 250 - COMPUTER SCIENCE II
Continuation of CST 150; development of problem solving using a high level language including abstract data types, inheritance, recursion, generics, lists, sets, maps, stacks, queues, trees and file I/O. Multiple sorting and searching algorithms including an introduction to concepts of program complexity. Extensive programming required. A computer use course.
Credits: 4
Prerequisites: CST 150 or CSIA 150
Course Notes: MATH 245 recommended. A computer use course.

CST 255 - OPEN SOURCE COMMUNITIES
Exploration of the Open Source world, its history, and its contribution to current topics such as social justice, information freedom, equality and the nature of democracy. Discussion of the role it has played in recent events. Investigation of the politics of the open source world and their relationship to traditional geopolitics. In addition, this course will also seriously examine the practical side of open source and its economic impact on both businesses and households in the developed and developing worlds.
Credits: 3
Attributes: Grounds for Change
Prerequisites: ENG 102

CST 261 - COMPUTER ORG & ASSEMBLER
Introduction to computer hardware structure using assembler language. Internal hardware and software structure of a CPU that is normally hidden from programmers using a high level language. Extensive programming in the assembler language of the CPU. A computer use course.
Credits: 3
Prerequisites: CST 150 or CSIA 150

CST 262 - LINUX SECURITY
This is a second course in the Linux operating system. The focus is on the administration tasks associated with adding security to Linux servers. Lab exercises include creating user accounts, setting file permissions, configuring the Apache web server for security, and configuring Samba file sharing for security. Security fundamentals are covered, including encryption and authentication. (Prerequisite: CIS 261)
Credits: 3
Prerequisites: CIS 261 or CST 318

CST 264 - NET ESSENTIAL
This course introduces the architecture, structure, functions, components, and models of the internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes.
Credits: 3
Prerequisites: CST 150

CST 265 - ROUT & SWITCH
This course focuses on initial programming of routers and switches. The course begins with IP sub-netting calculations using binary math. Basic switching concepts are then described in detail. Switch VLANs are created and programmed, and inter-VLAN routing is configured. Static routing is configured on routers using both IP versions 4 and 6. (Prerequisite: CIS 264)
Credits: 3
Prerequisites: CIS 264 or CST 301

CST 266 - ROUTER CONFIG
This course focuses on dynamic routing protocol categorization – Interior/Exterior, Classful/Classless, Distance Vector/Link State, and Open Standard/Cisco Proprietary. Router configuration lab exercises are conducted using the RIP and OSPF routing protocols. Router Access Control Lists (ACLs) for security policy implementation are applied. IP address management with DHCP and NAT are employed. (Prerequisite: CIS 265)
Credits: 3
Prerequisites: CIS 265

CST 270 - SYSTEMS ANALYSIS AND DESIGN
Methodologies, tools, and techniques used in the computer systems development life cycle. Planning, analysis, and design phases of a project, including Software Engineering methodologies. The larger context of business processes, competitive advantage, documentation requirements, and data modeling, including the use of UML.
Credits: 3
Prerequisites: (CST 150 or CSIA 150) and ENG 102

CST 280 - INTRODUCTION TO ALGORITHMS
The course focuses on basic techniques used to design and analyze efficient algorithms. The major topics include: the divide-and-conquer approach, sorting algorithms, graph algorithms, the greedy approach, dynamic programming, computational complexity.
Credits: 3
Prerequisites: CIS 250 or CST 250 or CSIA 236 or CST 236

CST 295 - DATA MINING
Methods of knowledge discovery in massive data, i.e. the study of computer-assisted process of digging through and analyzing enormous data sets and then extracting the 'meaning' of the data by applying mathematical methods. The methods that we study in this course are designed to predict behaviors and future trends based on existing data. Topics include classifications techniques, clusterization techniques, association rule discovery techniques, techniques for improving data quality.
Credits: 3
Prerequisites: (MATH 217 or MATH 347) and MATH 246 and CST 150
CST 310 - GAME THEORY AND APPLICATIONS
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Study of the ways in which strategic interactions among players produce outcomes with respect to their preferences (or utilities). This course covers game-theoretic foundations of cooperative and non-cooperative behavior. The course emphasizes applications drawn from artificial intelligence, decision theory, economics, psychology, and finance.
Credits: 3
Prerequisites: ACSC 300 or MATH 300 or ACSC 246 or MATH 246 and (MATH 245 or MATH 290 or MATH 238 or MATH 347)
CST 310R - MGT INFO SYSTMS
Students will survey computer information systems to solve business problems as managers. Emphasis is placed on management techniques of information systems development and design tools. Several case studies will supplement class lectures. The students will use spreadsheet files outside of class meetings to strengthen their case analysis.
Credits: 3
CST 311 - ANALYSIS OF REAL WORLD NETWORKS
The study of real-world networks such as social networks, technological networks, networks of information, biological networks. This study combines methods and techniques from mathematics, computer science, social sciences, and many other areas. Course topics include the measurement of networks, methods for analyzing network data, models of networks, models of processes taking place on networks, etc.
Credits: 3
Prerequisites: MATH 245
CST 312 - BIG DATA
Coverage of approaches and methods for very large-scale data collections (Big Data). Also covers the place of Big Data in society and in business including economic, social, ethical and cultural implications. Students will learn to use map-reduce workflows and Big Data tools such as the Hadoop ecosystem.
Credits: 3
Prerequisites: CST 250 or CST 336 or CSIA 250 or CSIA 336
Course Notes: A computer use course. Broadband Internet required.
CST 315 - DATABASE MGT
This course will focus on all aspects of managing a database, including database installation, configuration and administration, data warehousing, performance issues, database security, database architecture and disaster recovery operations. Students will install Microsoft SQL Server client-server software on Windows Server. (Prerequisites: CIS 208 or CIS 308)
Credits: 3
CST 317 - OPERATING SYSTEMS
An in-depth study of the components and functions of computer operating systems. Topics include system services, file system management, memory management, resource allocation, scheduling, processing levels, multitasking, deadlocks, and interprocess protection mechanisms. Programming projects involve use of system calls in UNIX and Windows. A computer use course.
Credits: 3
Prerequisites: CST 250 or CSIA 250 or CST 365
CST 317R - CREATING IPHONE APPS
This course introduces mobile application programming environment using Apple's iOS SDK for building iPhone applications. Students will learn the Swift programming language along with necessary libraries of reusable software components to develop and deploy iPhone applications. Upon course completion, students will be able to write simple iPhone applications. (Prerequisite: CIS 318 recommended)
Credits: 3
Prerequisites: CST 150 or CSIA 150 or CIS 318
CST 318 - INTRODUCTION TO UNIX
A hands-on introduction to the UNIX operating system family focused on learning important UNIX concepts, such as the shell, command line utilities, file system, access control/permissions, process management, and networking, as well as learning to automate system administration tasks through programming with the shell and in Perl.
Credits: 3
Prerequisites: CST 150 or CSIA 150 or CIS 318
CST 318R - IPHONE APP DEV
Students are introduced to iPhone SDK's Xcode, Interface Builder, and UIKit framework to build iPhone applications. Students will learn to use powerful features of the Swift, Cocoa Touch, and the various iOS SDK libraries and frameworks for developing and deploying applications on iPhone. Upon course completion, students are expected to produce a mobile solution for a real-life solution. (Prerequisite: CIS 417)
Credits: 3
Prerequisites: CST 317R
CST 318RM - JAVA PROGRAMNG
This course introduces fundamentals of Java programming language to create Android applications. Students will learn key programming concepts including variables, decision structures, lists, arrays, user interface components, error handling, testing and debugging. The course provides students hands-on experience in using Android development environment and techniques for writing Android applications. Upon course completion, students will be able to write simple android applications.
Credits: 3
CST 320 - INDEPEND STUDY
Independent studies allow a student to explore a topic or area of interest. Students will propose a topic for tutorial study under the guidance of a supervising faculty member. Course can be repeated up to 12 hours.
Credits: 3
CST 327 - SOFTWARE PROJECT MANAGEMENT
Types of problems, decisions, and critical success factors that typically confront software project managers and software engineers. The various management skills and methodologies used for planning, organizing, staffing, influencing, and controlling such projects.
Credits: 3
Prerequisites: CST 150 or CSIA 150
CST 328 - LINEAR PROGRAM & OPTIMIZATION
Models of optimization with linear constraints and objectives; simplex method and related algorithms; duality and sensitivity, transportation and assignment problems; games and network flow applications. See Math 328.
Credits: 3
Prerequisites: MATH 246 or ACSC 246 or MATH 300
CST 333 - DATABASE SYSTEMS
Theory and practice of databases with emphasis on how to create, maintain, and query a database with SQL. Course topics include the relational model, queries and data manipulation in SQL, integrity constraints, triggers, recursive queries, functional dependencies and normalization, indexing, etc.
Credits: 3
Prerequisites: MATH 121 or MATH 122 or MATH 231
Course Notes: MATH 245 Recommended

CST 335 - ETHICAL HACKING & COUNTERMEASURES
This is a hands-on Cyber Security course that will prepare students for the Certified Ethical Hacker certification. The course is an introduction to ethical hacking tools and incident handling. Areas of instruction include various security tools and vulnerabilities of operating systems, software and networks used by different type of hackers to access unauthorized information. This course also addresses incident handling techniques used when information security is compromised.
Credits: 3
Prerequisites: CST 150 and (MATH 121 or MATH 116)

CST 336 - PRACTICAL COMPUTING WITH DATA IN PYTHON
Focuses on using a simple programming language python to work with data when Excel, SPSS and similar tools are not adequate. When tables are too big or the desired result is difficult or impossible to express in terms of formulas, using python can be the quickest, easiest and most productive way to derive value from data in a scientific or enterprise setting. This course provides the skills and understanding required to succeed in these situations.
Credits: 3
Prerequisites: CST 250 or CSIA 250 or CST 236 or CSIA 236
Course Notes: Computer programming experience not required.

CST 337 - THEORY OF COMPUTATION
Fundamentals of computing with emphasis on questions of what can and cannot be computed in principle, what can and cannot be computed efficiently. Course topics include models of computation, decidable and undecidable problems, computational complexity, probabilistic computation, interactive protocols, quantum computation, etc.
Credits: 3
Prerequisites: MATH 245 or MATH 290 or (MATH 300 or ACSC 300)

CST 338 - EFFICIENT COMPUTING
This course is about algorithmic techniques for solving computational problems efficiently and about obstacles to efficient computing. The major topics include approximation algorithms and randomized computation.
Credits: 3
Prerequisites: CST 280

CST 340 - COMPUTER ARCHITECTURE
Internal organization of the components of computer systems with special focus on the design of the central processing unit and the internal hardware and software structure of a CPU that is normally hidden from programmers using a high level language. The construction of a rudimentary computer using logic gates, light emitting diodes(LEDs), resistors, capacitors, and push-button switches on a prototyping circuit board and the programming of that computer in the assembler language of the CPU constructed is required.
Credits: 3
Prerequisites: CST 150 or CSIA 150

CST 343 - O.O.P AND WEB SERVICES
An extensive course in programming emphasizing the development of reusable software components via the object oriented programming (OOP) capabilities of C# and the Microsoft .NET framework. Topics include user interface controls, exception handling classes, function overloading and default arguments, operator overloading; event driven programming, polymorphism; and UML. Extensive programming required.
Credits: 3
Prerequisites: CST 250 or CSIA 250 or CST 365

CST 344 - NETWK SECURITY
This course aims to provide a practical, up-to-date and comprehensive survey of network-based and Internet-based security applications and standards. Topics include authentication, cryptography, encryption, digital signatures, and key exchange. Current applications explored in this course include: Kerberos, PGP, S/MIME, PKI, firewalls, and anti-virus software.
Credits: 3

CST 345R - ADV NET SERV
In this course, students will study a set of advanced network services that are used to support core business functions. Examples of such services include email, firewalls, and voice over IP. These services go beyond the range of essential network services covered in previous networking courses. (Prerequisite: CIS 232)
Credits: 3
Prerequisites: CIS 232

CST 346R - COMP FORENSICS
This course focuses on computer investigation for crime scene analysis with an emphasis on software tools for determining what was done and by whom, regardless of whether or not the information has been deleted. (Prerequisites: CIS 240, CIS 261)
Credits: 3
Prerequisites: CIS 240 and CIS 261

CST 347 - NETWORK MGT
This course focuses on network management, server virtualization, and specialized server hardware. The servers will employ the Windows Server 2008 and Linux operating systems. Clients will employ the Vista and Linux operating systems. Virtualization software will include VMWARE and Windows Server 2008 Hyper-V Virtual machine manager. Lab setup will include Blade server hardware, wireless routers and access points, switches and printers with network monitoring agents, and specialized network management software. Green technologies for IT are addressed. (Prerequisites: CIS 232, CIS 261, CIS 264)
Credits: 3
Prerequisites: CIS 232 and CIS 261 and CIS 264
CST 348 - SOFTWARE ENGINEERING I
Provides an overview of the software engineering process and software life-cycle models. Gives a detailed study of the analysis, specification and design phases. Students will work in teams to gain experience in software development methodology, software analysis and design, and developing a prototype.
Credits: 3
Prerequisites: CST 250 or CSIA 250

CST 350 - BOOLEAN ALGEBRA/SWITCHING THEORY
Credits: 3
Prerequisites: MATH 245 or MATH 290

CST 355 - CRYPTOGRAPHY
Cryptography provides algorithms and protocols for secure communication over an insecure channel. These tools are also used in many other aspects of information security such as access control or digital signature. Cryptography plays a crucial role in a wide scope of real-world applications, from the classical military and national security applications to email and online banking. The course focuses on concepts and techniques underlying public-key cryptography. Course topics include symmetric cryptosystems, RSA and other public-key cryptosystems, digital signatures, key exchange protocols, secret sharing, identification schemes, etc.
Credits: 3
Prerequisites: (CST 150 or CSIA 150) and MATH 245

CST 356R - ADV INTERNSHIP
Students serve as interns and apply their skills in real-world employment situations. All internships are project-oriented and directly related to their focus in Computer Studies. Internships are served under the sponsorship of a faculty advisor, and the students will be required to document the results of their experience. (Prerequisite: Junior status) Course can be repeated up to 12 hours.
Credits: 3

CST 357 - SYSTEMS PROGRAMMING
Introduction to programming at the system level. Programming methods and issues that are specific to working with the operating system. Topics include process, thread model, synchronous and asynchronous event handling, IPC, RPCs and sockets, and distributed applications. Course includes learning to program with JAVA in UNIX and Windows environments. A computer use course.
Credits: 3
Prerequisites: CST 250 or CSIA 250 or CST 365

CST 359 - INTRO TO COMPUTER SECURITY
This course provides an introduction to computer and network security. It covers the basic concepts in computer and network security. The course also provides examples of intrusions and corresponding defense. Some topics in security research will be covered.
Credits: 3
Attributes: Lab Course
Prerequisites: CST 317 or CSIA 317
Course Notes: or instructor consent.

CST 361 - MACHINE LEARNING
A course in the theory, algorithms and application of Machine Learning (ML). The course will cover areas such as the foundations of ML (Computational Learning Theory) and the analysis of algorithms by which computational systems learn to perform tasks. Implementation of several ML techniques will enhance the student's understanding of the underlying material.
Credits: 3
Prerequisites: CST 352

CST 364 - ADV ROUT&SWITCH
This course covers advanced router and switch configuration. Advanced switching features include link aggregation, redundancy, and wireless LANs. Advanced routing configuration focuses on Cisco's enhanced EIGRP routing protocol. Complex multi-area OSPF routing is also explored. At the end of the course, operating system management procedures are employed to troubleshoot or upgrade the routers and switches. (Prerequisite: CIS 266)
Credits: 3
Prerequisites: CIS 266

CST 365 - NETWORK APPLICATIONS PROGRAM
Design and programming applications for networks and the Internet; client side and server side processing; the use of a browser as a client and user interface. Internet protocols and issues such as security, reliability, and management. Course includes learning to program with JAVA in UNIX and Windows environments. A computer use course.
Credits: 3
Prerequisites: CST 150 or CSIA 150

CST 366R - WAN Technologies
This course focuses on the Hierarchical Design of a complex corporate network. Wide Area Networking (WAN) services are configured. The WAN services studied include the Point-to-Point Protocol (PPP), Frame Relay, Broadband, and Virtual Private Networks. This course is the last of five courses preparing students to achieve their Cisco CCNA networking certification. (Prerequisite: CIS 364)
Credits: 3
Prerequisites: CIS 364

CST 367 - WEB-BASE DATABASE APPLICATIONS
Interactive web-based applications that use one or several databases with a focus on reliability, fault tolerance, and security. Theoretical and project oriented.
Credits: 3
Prerequisites: CST 250 or CSIA 250 or CST 365
Course Notes: Any 200 level programming course.
Prereq: Cst 333 or working knowledge of database design and SQL.

CST 368 - INTERNET SECURITY
Security issues pertaining to Internet, Intranet, and the Web. Web security from the point of view of the user, programmer, and system administrator. HTTP authentication, proxy servers and firewalls; Internet security protocols and Secure Socket Layer; electronic payment systems; certificate management and network access layer security; executable content and scripting languages; mobile code and copyrights. Privacy protection; legal and ethical issues; anonymous browsing and censorship; available security tools.
Credits: 3
Prerequisites: CST 301 or CSIA 301

CST 370 - ARTIFICIAL INTELLIGENCE
This course is an introduction to Artificial Intelligence (AI). It covers a broad range of topics such as search, knowledge representation, uncertainty, learning, planning, reasoning, and natural language processing. It introduces ideas and techniques that can be applied to many domains, and provides insight into the design of intelligent agents.
Credits: 4
Prerequisites: CST 301 or CSIA 301

CST 375 - PRINCIPLES OF OPERATING SYSTEMS
This course covers the fundamental concepts and techniques of operating systems. It introduces students to the basic building blocks of operating systems, including processes, memory management, I/O systems, and file systems. It also covers the design of modern operating systems.
Credits: 4
Prerequisites: CST 250 or CSIA 250

CST 376 - PRACTICAL SYSTEMS ACTIVITY
This course provides students with practical experience in building and managing computer systems. Students will work in teams to design, build, and maintain a system. They will learn about system design, implementation, and maintenance.
Credits: 4
Prerequisites: CST 375

CST 380 - DATABASE ADMINISTRATION
This course covers the principles and techniques of database administration. It introduces students to the concepts of database systems, data modeling, and database management. It also covers the design and implementation of database systems.
Credits: 4
Prerequisites: CST 301 or CSIA 301

CST 385 - COMPUTER NETWORKS I
This course covers the principles and techniques of computer networks. It introduces students to the concepts of networking, network protocols, and network security. It also covers the design and implementation of computer networks.
Credits: 4
Prerequisites: CST 250 or CSIA 250

CST 390 - SOFTWARE PROJECTS
This course provides students with practical experience in software development and project management. Students will work on a team to develop a software project. They will learn about software design, implementation, and testing.
Credits: 4
Prerequisites: CST 301 or CSIA 301
CST 369 - SMARTPHONE APP DEVELOPMENT
An advanced programming course emphasizing the development of real-world, interactive, data-driven mobile applications using open-source frameworks designed for platforms such as iPhones or Android smartphones. The course will be project oriented and topics include building smartphone user interfaces, working with multimedia, accessing databases, using Internet and location based services, and using other features of modern smartphones.
Credits: 3
Prerequisites: CST 250 or CSIA 250

CST 371 - DISTRIBUTED DATABASES
Use of multiple, physically and logically separate databases. Data processing, concurrency, deadlocks, and recovery techniques. Heterogeneous and object-oriented databases.
Credits: 3
Prerequisites: 9 Credit Hours of Computer Sci
Course Notes: 9 SH of computer science coursework required with a min, grade of C-

CST 372 - PROGRAMMING LANGUAGES
Global properties of algorithmic languages including scope of declarations, storage allocation, binding time of constituents, subroutines, and tasks. List processing, string manipulation, data description, and simulation languages.
Credits: 3
Prerequisites: CST 250 or CSIA 250

CST 376 - DISTRIBUTED APPLICATIONS
Advanced topic in network applications. Use of existing protocols as well as technologies for designing custom protocols; chat, instant messaging, file sharing, and other technologies. Course includes learning to program with JAVA in UNIX and Windows environments. A computer use course.
Credits: 3
Prerequisites: CST 250 or CSIA 250 or CST 365

CST 377 - DB SERVER ADMIN & SECURITY
This class will focus on the administration of database servers and the concerns of the Database Administrator such as configurations, user controls, backup plans, restoration plans, downtime costs, audits, resiliency, stability and reliability, security, joins, load and cascading foreign keys, should I (know)SQL? and other issues that face the database administrator.
Credits: 3
Prerequisites: CST 250 or CST 365 or MATH 245

CST 378 - SOFTWARE ENGINEERING II
Students work in teams to gain experience in software management and develop the components of a larger software product. Topics include risk management, project planning, quality management, configuration management and software testing.
Credits: 3
Prerequisites: CST 348
Course Notes: This course replaces existing CST 370 Software Engineering I, Student who has taken CST 370 cannot receive credit from this course. Seniors only.

CST 380 - PATTERN RECOGNITION
We study algorithmic methods of identifying patterns and regularities in data. Different approaches are based on statistical, structural and template matching methods data analysis.
Credits: 3
Prerequisites: CST 280 and MATH 217 and MATH 246

CST 381 - INTELLIGENT SYSTEMS
We study automated search methods in constrained state spaces. We learn methods of blind, heuristic and local search and methods that involve applications of of mathematical logic. We proceed to solving constraint satisfaction problems, planning and scheduling. Applications to multiagent systems and robotics. The course has programming component.
Credits: 3
Prerequisites: CST 280

CST 382 - COMPUTER GRAPHICS
Representation, manipulation, and display of two- and three-dimensional objects. Applications to specific problems, including computer games.
Credits: 3
Prerequisites: CST 250 or CSIA 250
Course Notes: or instructor consent.

CST 386 - INFORMATION RETRIEVAL
Theory and practice of information retrieval with emphasis on applications to web search. The course covers traditional information retrieval topics (retrieval models, indexing, classification, clustering, etc) and more recent techniques (ranking of web pages, recommender systems, etc).
Credits: 3
Prerequisites: CST 280 or CST 250 or CSIA 250

CST 387 - ALGORITHM DESIGN
The main purpose of the course is to enhance students' algorithmic skills. Algorithmic problems, arising across the full range of computing applications, include the following two tasks. First, such a problem rarely arrives as a cleanly packaged, mathematically precise question. Therefore, we begin an algorithm design process with getting to a clean formulation of the problem. Then, based on the structure of the problem, we identify an appropriate algorithmic technique and use it to develop an efficient algorithm. Students will enhance their skills for both tasks by learning a wide variety of algorithmic problems in business, engineering, science, etc.
Credits: 3
Prerequisites: CST 280 or CST 250 or CSIA 250

CST 390 - SPECIAL TOPICS
TECHNOLOGY MKT
Credits: 3

CST 390R - TECHNOLOGY MKT
Credits: 3

CST 394 - COMPUTER SCIENCE INTERNSHIP
In-service learning under faculty supervision.
Credits: 1-3
Prerequisites: CST 354
Course Notes: Consent of Faculty Supervisor required

CST 395 - INDEPENDENT STUDY
Students must obtain a faculty sponsor; prepare a written proposal that includes course objectives, time tables, and measurable evaluation criteria; and receive approval from both the faculty sponsor and chair of the dept.
Credits: 1-3
Course Notes: Approval of faculty sponsor and Department Chair.
CST 398 - SENIOR PROJECT
An independent investigation of an appropriate problem in computer study carried out under the supervision of a faculty member. A formal written report is essential and an oral presentation is also required. This course may be extended over more than one quarter in which case the grade will be deferred until the whole project has been completed. No more than three quarters of this course may be taken. (Prerequisites: CIS 237, CIS 262, and Senior status)
Credits: 3
Prerequisites: CIS 237 and CIS 262

CST 399 - SENIOR PROJECT
Project to be undertaken at the end of the program of study. Students must obtain a faculty sponsor; prepare a written proposal that includes course objectives, time tables, and measurable evaluation criteria; and receive approval from both the faculty sponsor and director of the department.
Credits: 3
Course Notes: Approval of faculty sponsor and Department Chair.
CREATIVE WRITING (CRWR)

CRWR 153 - INTRODUCTION TO CREATIVE WRITING
Through work in three genres—fiction, poetry, and either creative nonfiction or playwriting—students develop personal voice and effective use of concrete and metaphoric detail. The craft unique to each genre explored through critique of student writing and close reading of work by notable authors, both contemporary and historic.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 101

CRWR 250 - FICTION WRITING WORKSHOP
In this class you will read and discuss a number of published short stories as well as examine the elements that make them successful. Using these short stories as models, you will write exercises, scenes, and a full-length short story that demonstrate, along with the rest of your work, your understanding of the fictional craft fundamentals.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 153 or CRWR 153

CRWR 251 - POETRY WRITING WORKSHOP
Students will read, discuss, write, and workshop poems; through this discussion and practice, they will steadily improve their understanding of the fundamentals of poetry writing.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 153 or CRWR 153
Course Notes: Part of the concentration in Creative Writing English Degree

CRWR 252 - CREATIVE NONFICTION WRITING WORKSHOP
This course introduces students to the art and craft of writing creative nonfiction. Students will explore the essay, the memoir, the new journalism, and more.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 153 or CRWR 153
Course Notes: Counts toward ENG major concentration in creative writing

CRWR 253 - SCREEN WRITING WORKSHOP
Students produce a full-length screenplay in a workshop atmosphere while analyzing the techniques professional screenwriters use to create complex characters, thrilling action, and original plots. Some attention to marketing the screenplay, including the treatment and pitch.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 102

CRWR 303 - CREATIVE WRITING CAPSTONE
Through work in two genres—chosen by the instructor from fiction, poetry and creative nonfiction—students develop their craft and build their portfolios. Focus on critique of student work; analysis of work by notable authors, both contemporary and historic; and exploration of voice, style, and techniques for effective revision.
Credits: 3
Attributes: Humanities
Course Notes: Prerequisites: ENG 153 or CRWR 153 and two courses chosen, from either CRWR or ENG 250, 251, or 252, with minimum grades of C-.

CRWR 383 - LITERARY MAGAZINE INTERNSHIP
All student staff edits Oyez Review, a literary journal featuring fiction, poetry, and creative nonfiction, published at Roosevelt for over 40 years. Hands-on internship in editing, designing, producing, publicizing, and distributing the journal. Some instruction in protocols for book, magazine, and newsletter publishing.
Credits: 3
Prerequisites: CRWR 153

CRWR 384 - SMALL PRESS PUBLISHING INTERNSHIP
Featherproof Books has been publishing unique, daring, and influential books for a decade. With a new publisher and editor, it has a renewed energy and is more active than it has been in years. This class will take you through the entire process of operating a small press as we run Featherproof Books from the classroom. We will deal with the press and sales for this spring's titles while also dealing with the preparations, editing and manufacturing of the next fall's titles. You'll learn how it's done by being a part of doing it.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220 or CRWR 153
CRIMINAL JUSTICE LEADERSHIP (CJL)

CJL 200 - INTRODUCTION TO CRIMINAL JUSTICE
A survey and analysis of the criminal justice system, including an historical and philosophical overview of its development, with special emphasis on the system's primary components (Police, Courts, Corrections and Juvenile Justice) and the relationship among these components in the administration of criminal justice in America. Credits: 3
Prerequisites: CJL 200

CJL 220 - JUVENILE JUSTICE
History and philosophies of society's reaction to juvenile behavior and problems. Interaction among the police, judiciary, and corrections are examined within the context of cultural influences. Theoretical perspectives of causation and control of delinquency are examined. Credits: 3
Prerequisites: CJL 200

CJL 230 - INTRODUCTION TO CORRECTIONS
An overview and analysis of the American correctional system: history, evolution, and philosophy of punishment and treatment; operation and administration in institutions (jails and prisons) non-institutional settings (probation and parole); and issues in correctional law. Credits: 3
Prerequisites: CJL 200

CJL 240 - INTRODUCTION TO CRIMINOLOGY
An introduction to the multi-disciplinary study and analysis of the nature, causes, and control of crime; measurement of crime; and the interactive roles of the system, victim, and offender. Credits: 3
Prerequisites: CJL 200

CJL 250 - CRIMINAL LAW
A study of the nature of criminal law including the historical and philosophical developments of substantive and procedural law. Students will learn to define and apply terms of law and concepts that accompany them, discuss the classifications of crime, define elements of crimes and the penalties attached thereto according to the model penal code and discuss the criminal responsibilities of persons. It will also examine and analyze the principles of criminal law, including the acts, mental state, and attendant circumstances that are necessary elements of crime. Credits: 3
Prerequisites: CJL 200

CJL 300 - POLICE & SOCIETY
An overview of the agencies that comprise the criminal justice system. The goals of law enforcement, courts, and corrections will be considered from historical, ethical, philosophical, and practical perspectives. Particular focus will be given to understanding the search for causes of crime and how it impacts the development of CJ policy, and the process by which these are evaluated. Credits: 3
Prerequisites: CJL 200

CJL 305 - RESEARCH METHODS
An introduction to the process, logic, and skills of gathering data using the scientific method. The range of research designs, their strengths and weaknesses, the specific research tools needed for the collection of criminal justice data, analytical techniques, and appropriate policy responses are examined. Credits: 3
Prerequisites: CJL 200 and CJL 240 and ENG 102

CJL 310 - ETHICS IN CRIMINAL JUSTICE
An examination of the ethical considerations and constraints relevant to the criminal justice system. The course will use scenario based exploration of the issues of crime and justice in the context of a contemporary diverse society. Topics include police corruption, corrections and judicial corruption, diversity issues pertaining to agency practitioners and interacting in a diverse world. Specific attention is given to the effect of race, ethnicity, gender and special populations on offending and victimization, adjudication and sentencing. Credits: 3
Prerequisites: CJL 200

CJL 330 - CRIMINAL JUSTICE & THE CONSTITUTION
An exploration of the various 20th century social movements that have confronted the criminal justice system, and the various ways these movements have affected judicial interpretation of the U.S. Constitution. Specific areas of focus include the impact of civil rights on police methods, prison reform and hate crimes legislation; civil liability of law enforcement and corrections officials; the rights pertaining to due process and equal protection for accused and convicted individuals; and the role of law in efforts to evaluate and solve social problems. Credits: 3
Prerequisites: CJL 200 and CJL 250

CJL 331 - VICTIMOLOGY
This course provides an introductory examination of criminal victimization in the United States via an overview of current theory, research, and trends within the context of specific victimization types. Students will examine specific crime types, the impact of crime on victims and society, the role of victims within the criminal justice system, specific remedies, victim rights and services. Credits: 3
Prerequisites: CJL 200

CJL 332 - SERIAL AND MASS MURDER
The course will explore the history of serial and mass murder and introduce students to the methods of investigating these killings and possible motives for this behavior. Students will explore connections between social, psychological, biological factors and serial homicide. The course content will explore the phenomena involved in the social construction of serial murder as a pressing public issue and the interplay between law enforcement, media sensationalism, and the allocation of public resources to law enforcement agencies to address serial murder. Credits: 3
Prerequisites: CJL 200

CJL 333 - WOMEN AND CRIME
This course is a critical examination of the experiences of women involved with the criminal justice system with a focus on three major areas: (1) female offenders and their treatment by the criminal justice system; (2) female victims of crime; and (3) female employees of the agencies of the criminal justice system. Credits: 3
Attributes: Social Science, Women Gender Studies
Prerequisites: CJL 200
CJL 355 - CRIME IN AMERICA
This course will study the crime problems from a historical perspective, with attention given to the social, political and economic factors affecting crime. Students will review crime trends, efforts of crime prevention, and the evolution in the explanations for criminal behavior.
Credits: 3
Prerequisites: CJL 200 and CJL 240

CJL 365 - WHITE COLLAR CRIME
An examination of white-collar crime; particularly definitional issues. The nature and scope of white-collar crime; the costs associated with white-collar crime, and especially corporate crime are investigated. Other topics include: digital crime, occupational crime, and governmental crime. Students will explore how the criminal justice system responds to such crimes and what interventions will have been utilized. Finally, students will explore why white collar crime occurs.
Credits: 3

CJL 381 - DEATH PENALTY IN AMERICA
An exploration of the history of social control and punishment leading up to the formation of the American system. Topics include race, class, gender, juvenile, and comparative issues in punishment. Issues such as deterrence, cost, innocence, constitutional law, and the social, political, and economic realities of punishment policy will be examined.
Credits: 3

CJL 389 - SPECIAL TOPICS
This is a Special Topics course, in which subject matter varies by section. Content is thematic and crafted around a unique topic, giving students a focused theoretical and practical understanding.
Credits: 3

CJL 390 - SENIOR SEMINAR
Designed as a comprehensive synthesis of the knowledge and skills learned in the curriculum, this capstone experience will engage students in the process of identifying and analyzing real-life issues facing criminal justice agencies, as well as techniques for developing and proposing solutions to constituents. The final project will culminate into a formal evaluation of a contemporary crime program or policy, complete with concerns and recommendations for future implementation. The strengthening of skills pertaining to critical thinking, effective written and communication, teamwork, embracing alternative viewpoints, and presentation delivery will be emphasized.
Credits: 3
Prerequisites: CJL 200 and CJL 305 and ENG 102

CJL 395 - CRIMINAL JUSTICE INTERNSHIP
Individually designed Criminal Justice internships and/or service-learning experiences. Students must find an appropriate internship in the field of Criminal Justice and a faculty sponsor, then apply to the Department Chair for enrollment in CJL 395. Internships are a minimum of 130 hours during the semester, and students are required to complete written work, as determined by the faculty advisor, that reflects on their experience.
Credits: 1-6

CJL 396 - CRIMINAL JUSTICE INDEPENDENT STUDY
The Criminal Justice Independent Study course is intended for advanced Criminal Justice Majors. Students will work with individual faculty on individually-designed advanced research projects.
Credits: 1-6

Course Notes: Approval of Department Chair required.
CYBER SECURITY AND INFORMATION ASSURANCE, CSIA

CSIA 150 - COMPUTER SCIENCE I
General problem solving and the algorithm development process. Simple data types, sequence, selection, repetition, functions, records, files, and one-dimensional arrays. Concepts of top-down program design, testing, functional decomposition, and documentation using good programming style. A computer use course; higher level language such as C++ or Java. Credits: 3
Prerequisites: MATH 116 or MATH 121

CSIA 217 - INTRO TO PROB. & STATS
Credits: 3
Prerequisites: MATH 116 or MATH 121 or MATH 110 or Accuplacer College Math with min score of 41

CSIA 236 - PYTHON SCRIPT PROGRAMMING
Using the Python programming language to learn the best-practices of programming and script-writing in a security and utility conscious environment.
Credits: 3
Prerequisites: CST 150 or CSIA 150

CSIA 246 - DATA COMMUNICATIONS
Foundations of a data communication network architecture and the concepts of data representation in the data transmission process. Data communication methods and data services offered by common carriers. Data communication network management and design issues.
Credits: 3
Prerequisites: MATH 116 or MATH 121
Course Notes: or instructor consent.

CSIA 250 - COMPUTER SCIENCE II
Continuation of CSIA 150; development of problem solving using a high level language including abstract data types, multidimensioned arrays; strings; records and structures; function design, construction, and parameter passing methods; recursion; introduction to objects and classes; pointers: lists, stacks, queues, and trees; and file I/O. Multiple sorting and searching algorithms including concepts of program complexity. Extensive programming required. A computer use course.
Credits: 4
Prerequisites: CST 150 or CSIA 150
Course Notes: Math 245 recommended.

CSIA 255 - OPEN SOURCE COMMUNITIES
Exploration of the Open Source world, its history, and its contribution to current topics such as social justice, information freedom, equality and the nature of democracy. Discussion of the role it has played in recent events. Investigation of the politics of the open source world and their relationship to traditional geopolitics. In addition, this course will also seriously examine the practical side of open source and its economic impact on both businesses and households in the developed and developing worlds.
Credits: 3
Prerequisites: ENG 102

CSIA 261 - COMPUTER ORGANIZATION
Introduction to computer hardware structure using assembler language. Internal hardware and software structure of a CPU that is normally hidden from programmers using a high level language. Extensive programming in the assembler language of the CPU. A computer use course.
Credits: 3
Prerequisites: CST 150 or CSIA 150

CSIA 301 - COMPUTER NETWORKING
This is an introductory course on the design and analysis of computer networks. It covers Internet protocols, application layer protocols, routing, wireless communication, and basic network security problems.
Credits: 3
Prerequisites: CST 250 or CSIA 280 or CSIA 246 or CST 250

CSIA 317 - OPERATING SYSTEMS
An in-depth study of the components and functions of computer operating systems. Topics include system services, file system management, memory management, resource allocation, scheduling, processing levels, multitasking, deadlocks, and interprocess protection mechanisms. Programming projects involve use of system calls in UNIX and Windows. A computer use course.
Credits: 3
Prerequisites: CSIA 250 or CST 250

CSIA 318 - UNIX AND SYSTEM ADMINISTRATION
Programming on a UNIX-based computer system. How to use standard UNIX utilities such as ssh, scp, vi, awk, grep, sed, emacs, as well as script writing in Perl. How to use X Windows and UNIX GUI tools. UNIX programming environment with an overview of the UNIX process model. Basic UNIX administration including system tool and configuration files.
Credits: 3
Prerequisites: CSIA 150 or CST 150

CSIA 319 - CYBER OPS
The Cyber Ops certification prepares candidates to begin a career working with associate-level cybersecurity analysts within security operations centers. The Cyber Ops certification program provides practical, relevant, and job-ready certification curricula aligned closely with the specific tasks expected of these in-demand professionals. The Security Operations Center (SOC) Analyst increasingly must focus on design, configuration, and support responsibilities as the technical consultant and device specialist or expert on a security team. Therefore, the curriculum is specific to the best practices of network security administrators, engineers, and experts.
Credits: 3
Prerequisites: CST 100 or CST 101

CSIA 327 - SOFTWARE ENGINEERING
In depth examination of criteria for software quality and the types of development processes that support its creation. Best practices in software development are examined as well as case studies in software design and maintenance. Individual assignments and some group work as well.
Credits: 3
Prerequisites: CSIA 250 or CST 250

CSIA 333 - DATABASE SYSTEMS
Theory and practice of databases with emphasis on how to create, maintain, and query a database with SQL. Relational databases and relational algebra; queries and data manipulation in SQL, constraints, triggers, views, controlling security, data modeling, and normalization, recursive queries, indexing, XML, and other topics.
Credits: 3
Prerequisites: MATH 121 or MATH 122 or MATH 231
CSIA 335 - ETHICAL HACK & COUNTERMEASURES
This is a hands-on Cyber Security course that will prepare students for the Certified Ethical Hacker certification. The course is an introduction to ethical hacking tools and incident handling. Areas of instruction include various security tools and vulnerabilities of operating systems, software and networks used by different types of hackers to access unauthorized information. This course also addresses incident handling techniques used when information security is compromised.
Credits: 3
Prerequisites: (CST 150 or CSIA 150) and (MATH 116 or MATH 121)

CSIA 336 - PRACTICAL COMPUTING WITH DATA IN PYTHON
Focuses on using a simple programming language Python to work with data when Excel, SPSS and similar tools are not adequate. When tables are too big or the desired result is difficult or impossible to express in terms of formulas, using Python can be the quickest, easiest and most productive way to derive value from data in a scientific or enterprise setting. This course provides the skills and understanding required to succeed in these situations.
Credits: 3
Prerequisites: CSIA 236 or CST 236 or CSIA 250 or CST 250

CSIA 352 - NETWORK DESIGN
Communication system organization, and structure. Detailed examination of various communication protocols, routing mechanisms, and interfaces used in digital networks.
Credits: 3
Prerequisites: CSIA 301 or CST 301

CSIA 355 - APPLIED CRYPTOGRAPHY
Cryptography provides algorithms and protocols for secure communication over an insecure channel. These tools are also used in many other aspects of information security such as access control or digital signature. Cryptography plays a crucial role in a wide scope of real-world applications, from the classical military and national security applications to email and online banking. The course focuses on concepts and techniques underlying public-key cryptography. It also covers more advanced cryptographic tasks, for example, identification schemes.
Credits: 3
Prerequisites: CST 150 and CST 245

CSIA 359 - INTRO TO COMPUTER SECURITY
This course provides an introduction to computer and network security. It covers the basic concepts in computer and network security. The course also provides examples of intrusions and corresponding defense. Some topics in security research will be covered.
Credits: 3
Prerequisites: CSIA 317 or CST 317 or CSIA 301 or CST 301

CSIA 368 - INTERNET SECURITY
Security issues pertaining to internet, intranet, and the Web. Web security from the point of view of the user, programmer, and system administrator. HTTP authentication, proxy servers and firewalls; Internet security protocols and Secure Socket Layer; electronic payment systems; certificate management and network access layer security; executable content and scripting languages; mobile code and copyrights. Privacy protection; legal and ethical issues; anonymous browsing and censorship; available security tools.
Credits: 3
Prerequisites: CSIA 301 or CST 301

CSIA 389 - SP TOP: CYBER/INFO SECURITY
Special Technical Topics in Cyber/Information Security.
Credits: 3

CSIA 390 - SP TOP: CYBER/INFO SECURITY
Special Topics in Cyber Security and Information Assurance. Topics may vary.
Credits: 3

CSIA 394 - CYBER/INFO SECURITY INTERSHIP
Credits: 3
Course Notes: Consent of Cyber Security Center Director required.

CSIA 395 - INDEPENDENT STUDY
Students must obtain a cyber faculty sponsor; prepare a written proposal that includes course objectives, time table, and measurable evaluation criteria; and receive approval from both the cyber faculty sponsor and Director of the Cyber Security Center. Approval of Cyber faculty sponsor and Cyber Security Center Director.
Credits: 1-3
Course Notes: Approval of Cyber faculty sponsor and Cyber Security Center, Director required.

CSIA 399 - SENIOR PROJECT
Project to be undertaken at the end of the program of study. Students must obtain a cyber faculty sponsor; prepare a written proposal that includes course objectives, time table, and measurable evaluation criteria; and receive approval from both the cyber faculty sponsor and Director of the Cyber Security Center. Approval of Cyber faculty sponsor and Cyber Security Center Director.
Credits: 3
Course Notes: Approval of Cyber faculty sponsor and Cyber Security Center, Director.

CSIA 401 - INTRO TO COMPUTER SECURITY
This course provides an introduction to computer security. It covers the basic concepts in computer security. The course also provides examples of intrusions and corresponding defense. Some topics in security research will be covered.
Credits: 3
Course Notes: CST 317 OPERATING SYSTEMS IS REQUIRED WITH A GRADE OF C- OR, HIGHER.

CSIA 409 - CLOUD COMPUTING AND SECURITY
This course provides an introduction to cloud computing and cloud computing security. It covers the basic concepts of cloud computing including virtualization architecture, cloud services, and security problems. The course provides examples of virtualization techniques and security problems. Some topics in cloud computing research will also be covered.
Credits: 3
Course Notes: CSIA 317 AND CSIA 359 Required

CSIA 410 - PLANNING AND BUDGETING THE CISO LIFECYCLE
The course covers the ways in which the CISO can apply a knowledge of financial and budgeting processes across the full scope of an enterprise to improve decision making, enhance financial monitoring and performance, lead and evaluate resource tradeoff decisions, articulate the return on investment of security systems and investments, comply with best-practices, ethics and financial management policies, and provide the greatest security value for the cost. The first half of the course establishes the context and basics of financial management and budgeting and the second half of the course builds on that knowledge through application in a variety of common financial management scenarios such as security systems acquisitions, contract financial management, program budgeting and justification, and coping with change.
Credits: 3
CSIA 411 - CYBER ETHICS, PRIVACY, & LEGAL
IT professionals, security professionals, and organizational leaders face new and challenging legal and ethical issues created by escalating security issues as a result of the incredible impact of information technology on businesses, other organizations, and society as a whole. This course explores many of these issues and provides an opportunity for students to discuss their ramifications in depth. This course is organized in a seminar format with a focus on class discussion. Discussion will take place using electronic forums and discussion papers. Real and hypothetical situations will be explored to provide opportunities for discussion and debate.
Credits: 3

CSIA 414 - ENTERPRISE CONTINUITY & RECOVERY PLANNING
The course covers Enterprise Continuity Planning, a methodology used to create and validate a plan for maintaining continuous business operations before, during, and after disasters or disruptive events. It also covers Disaster Recovery, stopping the effects of disasters, and addressing the immediate aftermath.
Credits: 3

CSIA 438 - SECURE SOFTWARE ENGINEERING
This course mainly covers the design and implementation of secure software. The characteristics of secure software, security role in the development lifecycle, the designing secure software, and best security programming practices will be covered.
Credits: 3
Course Notes: CST 348 and CST 359 are required

CSIA 451 - NETWORKS SECURITY
The course explores mechanisms for protecting networks against attacks with an emphasis placed on network security applications for the Internet. The course also investigates various networking security problems and defense mechanisms.
Credits: 3
Prerequisites: CST 401

CSIA 475 - COMPUTER FORENSICS
An introduction to the procedures and techniques used to identify, extract, validate, document and preserve electronic evidence. General legal issues such as the proper handling of evidence, chain of custody, and admissibility in court also covered.
Credits: 3

CSIA 485 - THESIS/PROJECT RESEARCH
Planning and implementation of research component of student’s MS thesis or project.
Credits: 3-6
Course Notes: Approval of CSIA thesis sponsor and Dept. Chair required. Must be taken in a semester, prior to either CSIA 490 or, CSIA 499. Approval of CSIA faculty sponsor and Dept. Chair.

CSIA 490 - MASTERS THESIS
Completion of the MS Thesis.
Credits: 3
Prerequisites: CSIA 485
Course Notes: Approval of CSIA faculty sponsor and Dept. Chair.

CSIA 494 - INTERNSHIP
The Internship.
Credits: 3
Course Notes: Approval of CSIA faculty sponsor and Dept. Chair.

CSIA 499 - MASTERS PROJECT
The MS Project.
Credits: 3
Prerequisites: CSIA 485
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DANC 345 - ADVANCED MUSICAL THEATRE
Credits: 1
Attributes: Humanities
Prerequisites: DANC 340
Course Notes: Meets at the Lou Conte Dance Studio 1147 W. Jackson.
DSIT 103 - INTRODUCTION TO DATA ANALYTICS
The purpose of this course is to teach students to identify spreadsheet terminology and concepts; create formulas and functions, to use formatting features, and generate charts, graphs, and reports, all as a device to analyze data.
Credits: 3
Prerequisites: MATH 095 or MATH 096

DSIT 202 - STAT COMPUTING WITH SOFTWARE
This one semester course will expose students to a statistical programming language such as R. No previous programming experience is assumed. There will be an assumption that students have completed prior statistics courses to the level of multiple regression analysis.
Credits: 3
Prerequisites: MATH 217
Course Notes: One course in statistics and probability needed.

DSIT 336 - ADVANCED EXCEL METHODS
An advanced computer use course emphasizing the advanced use of Microsoft Excel to structure and solve real-world problems which can arise in any discipline. Students will learn to model problems, apply logic to their models, import and groom data from a variety of sources, organize and evaluate data using pivot tables and charts, performing what-if analysis using scenarios, create solver models for more complex problems, and automate tasks in Excel using Macros & VBA for Excel.
Credits: 3
Prerequisites: CST 100

DSIT 369 - PREDICTIVE ANALYTICS
In this class the assumption is that we have no relationship with nor specific knowledge of the data collection environment, no way to validate the data, no assurances that data is normalized, independent, complete, validated, sufficient, etc. We assume domain knowledge is essential and that analysis is being performed in an environment rife with economic and political pressures. Particular attention is paid to the risks, rewards, dangers, and gains from the use of data.
Credits: 3
Prerequisites: MATH 217

DSIT 389 - SPEC. TECH TOPICS IN DATA SCI
Special technical topics in Data Science.
Credits: 3

DSIT 390 - SPEC TOP IN DATA SCIENCE
Special topics in Data Science. Topics may vary.
Credits: 3

DSIT 394 - DATA SCIENCE INTERNSHIP
In-service learning under Data Science faculty supervision.
Credits: 3
Course Notes: Consent of the Director of Data Science required.

DSIT 395 - INDEPENDENT STUDY
Students must obtain a Data Science faculty sponsor; prepare a written proposal that includes course objectives, time tables, and measurable evaluation criteria; and receive approval from both the Data Science faculty sponsor and the Director of Data Science.
Credits: 1-3
Course Notes: Approval of Cyber faculty sponsor and the Director of Data, Science.

DSIT 399 - SENIOR PROJECT
Project to be undertaken at the end of the program of study. Students must obtain a cyber faculty sponsor; prepare a written proposal that includes course objectives, time tables, and measurable evaluation criteria; and receive approval from both the Data Science faculty sponsor and director of the Cyber Security Center.
Credits: 3
Course Notes: Approval of Data Science faculty sponsor and the Director of Data Science.
ECONOMICS (ECON)

ECON 101 - PRINCIPLES OF ECONOMICS I
Overview of how a market society works, trades, consumes, redistributes, and enjoys the fruits of its produce. Macroeconomics is a Willis Tower look at the whole economy; the course will connect the tiny dots to see the big picture. For the student who wants to know more about unemployment, economic growth, inflation, inequality, and economic policy.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: MATH 095
Course Notes: Math courses higher than 121 satisfy the prerequisite.

ECON 102 - PRINCIPLES OF ECONOMICS II
The purpose of studying economics, said a famous economist, is to avoid being deceived by economists. Most economic policy, from welfare reform to climate change legislation, is drafted and defended with the language of microeconomic logic. Microeconomics is about how government on the street, the family, Conetti’s Pizza, Bill Gates and monopoly, gangs and drugs, pollution and production, the Montgomery Bus Boycott, the feminization of poverty, and the history of welfare reform.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: ECON 101

ECON 200 - INTRODUCTION TO SOCIAL JUSTICE STUDIES
Various ways of conceptualizing social justice; how the social sciences can be used to understand questions of social justice; case studies in collective action for social justice.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: ENG 102

ECON 208 - INTRODUCTION TO WORKING CLASS STUDIES
Americans generally don’t like to talk or think about social class, and until quite recently we’ve been especially allergic to ‘working class’ as a term or label. In the 2008 presidential election, the term ‘working class’ was used quite a lot, but usually only to refer only to white men in blue-collar jobs (who were assumed to be good at bowling), rather than to the multicultural, mixed gendered, diverse occupations of the 21st Century American working class. Working-Class Studies is an emerging academic field that attempts to address this situation, in academic research and teaching and in our public discourse. This course will introduce Roosevelt students to this emerging field by focusing on a handful of issues in the social sciences of economics, political science and sociology (with only fleeting reference to work in the arts, humanities, and history), and then asking students to decide for themselves on the relevance of studying the working class in the ways presented.
Credits: 3
Attributes: Social Justice Studies, Social Science

ECON 210 - MONEY AND BANKING
The nature of money and its role in the economy. The supply of and demand for money including the parts played by banks and the central bank. Theories of the effects of central bank policy including the quantity theory, Keynesian theories, and rational expectations. Introduction to the theory of interest. Crosslisted with FIN 301.
Credits: 3
Attributes: Social Science
Prerequisites: ECON 101 and ECON 102 and ENG 102 and (MATH 116 or MATH 121)

ECON 211 - LABOR AND THE LAW: PAST, PRESENT, AND FUTURE
The spirit and impact of social policy on employment and labor relations. A hard-nosed look at minimum wage, unemployment insurance, equal opportunity and affirmative action, public service employment, welfare reform, parental leave, collective bargaining regulations, and restrictions on plant closings.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: ECON 101 or ECON 102

ECON 213 - SPECIAL TOPICS IN ECONOMICS
Immigration, presidential elections, globalization, inequality, and crime are examples of the kinds of topics to be studied in this course. Since topics vary by semester, students may register for the course more than once. Check the online schedule of classes for its specific title in a given semester.
Credits: 3
Attributes: Social Justice Studies, Social Science

ECON 214 - THE ECONOMICS OF GLOBALIZATION
Globalization and global economic crises have become household words, yet what do they really mean, who benefits, and who loses? This interdisciplinary course examines the phenomenon of globalization using economic, sociological, and feminist analyses to explore controversial themes of the globalization debate, some of which include: offshoring, economic development, international migration, sweatshops, transnational corporations, the Global South, and gender equity. We will examine both the benefits and costs that have resulted from the opening and crossing of international boundaries and borders and examine how these changes have impacted people from both rich and poor countries throughout the world.
Credits: 3
Attributes: International Studies, Non-western Culture, Social Justice Studies, Social Science
Prerequisites: ECON 101

ECON 220 - LAW AND ECONOMICS
Exploration of the tug of war between the laws keeping the Chicago lakefront free and clear from structures and the economic realities of the jobs and other opportunities that building on the lakefront may bring. We will tour the lakefront and learn about the different battles that have been fought over the land, cumulating in a moot court challenge regarding a museum that has been proposed to be built on the lakefront.
Credits: 3
Attributes: Social Justice Studies, Social Science

ECON 234 - ELEMENTARY STATISTICS
This course applies statistical techniques to problems in the social sciences and business. Elementary probability and probability distributions, random variables, expectation and variance, normal probability distributions (binomial distributions, time-permitting). Applications to estimation, confidence intervals, statistical testing of hypotheses, two-sample techniques. Correlation and least squares.
Credits: 3
Attributes: Social Science
Prerequisites: MATH 116 or MATH 121 or MATH 110 or Compass-College Algebra with min score of 45
Course Notes: Math courses higher than 121 satisfy the prerequisite.
ECON 235 - ELEMENTARY STATISTICS LAB
The course incorporates collaborative learning, oral and written reports and technology. Emphasizes techniques, exploration and applications rather than derivation. All projects will use real data and conclusions are not predetermined. Topics include methods of summarizing data, statistical inference and regression.
Credits: 1
Attributes: Honors Program
Course Notes: Must be taken concurrently with MATH 217, ECON 234, or, SOC 291

ECON 290 - WHAT IS SOCIAL JUSTICE?
What is 'social justice'? This course is an historically-based and interdisciplinary introduction to alternative conceptions of social justice. Students will read selections from foundational texts, both ancient and modern. Regular writing assignments and intensive classroom discussions will help to build analytical skill sets in a variety of disciplines, from economics to political philosophy.
Credits: 3
Attributes: Honors Program, Social Justice Studies, Social Science
Course Notes: Enrollment in Honors Program required.

ECON 300 - TOPICS IN ECONOMIC HISTORY
Special topics in Economic History. For the particular topic to be treated during a particular semester, see the online Course Finder and click the red highlighted CRN number
Credits: 3-6
Attributes: Social Science
Course Notes: Specific topic and course title available, by clicking the RED highlighted CRN number.

ECON 302 - HISTORY OF ECONOMIC THOUGHT
Madmen in authority, who hear voices in the air, are distilling their frenzy from some academic scribbler of a few years back. Thus spoke John Maynard Keynes, a 20th-century authority on economic theory and distinguished student of the history of economic thought. The development of economic thinking from the 16th century through the present day. Theories and methodologies of some great economists, such as Adam Smith, David Ricardo, Karl Marx, and Lord Keynes.
Credits: 3
Attributes: Social Science
Prerequisites: ECON 101

ECON 305 - MODERN POLITICAL ECONOMY
Topics from Marxist, Post Keynesian, and Institutionalist approaches to economic policy; focus on their philosophical foundations and political implications. Topics may include growth, distribution, and prices; classes, exploitation, and alienation; the labor theory of value; historical materialism; and the economics of socialism.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Soc. Sciences

ECON 306 - THEORIES OF JUSTICE
The course will explore some fundamental questions about economic justice in a dialogical and interdisciplinary context. Student will read selections from classic texts (Aristotle to Walzer) as well as journal articles by contemporary theorists. The idea and self reliance will be central to our inquiry.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: ECON 102 or SOCJ 201 or ECON 201 or POS 200
Course Notes: or consent

ECON 308 - FEMINIST POLITICAL ECONOMY
Beginning with the emergence of socialist feminism in the second wave women's movement this course traces the development of feminist political economy. Feminists challenged traditional and new left theories of politics and economics and developed new ways of conceptualizing both. We will examine the impact of this movement on theories of capitalism, the state, the family, and globalization through lenses that place gender, race, class, and sexual orientation at the center.
Credits: 3
Attributes: Social Justice Studies, Social Science, Women Gender Studies
Prerequisites: ECON 102 or WGS 110 or WGS 112 or SOCJ 201

ECON 317 - ECONOMICS OF WORK AND LABOR
This course will investigate the changing nature of work including such topics as: contingent labor, part time work, the low wage labor market, outsourcing, unionization, and consultancy. These topics will be explored both theoretically and empirically with an emphasis on how different schools of thought within economics try to make sense of the contemporary labor market.
Credits: 3
Attributes: Social Science
Prerequisites: ECON 102

ECON 321 - INCOME & EMPLOYMENT THEORY
Intermediate macroeconomics. Theories of output, employment, prices, and the business cycle. Topics may include government stabilization policy, international economic relations, economic growth, and the distribution of income.
Credits: 3
Attributes: Social Science
Prerequisites: ECON 102
Course Notes: with grade of C or higher

ECON 322 - ECONOMICS OF WORK AND LABOR
Role of money and financial institutions in modern economies investigated through modern macroeconomic theory. Special attention is paid to the nature and causes of financial crises.
Credits: 3
Attributes: Social Science
Prerequisites: ECON 101
ECON 346 - INTRODUCTION TO ECONOMETRICS
Construction of economic models, statistical testing of economic hypotheses, and estimation of parametric values in economic relationships using regression analysis. Computer applications.
Credits: 3
Attributes: Social Science
Prerequisites: ECON 234

ECON 350 - TOPICS IN ECONOMETRICS AND FORECASTING
Advanced topics that may include matrix formulations of regression models, regression diagnostics and residuals analysis, stepwise regression, time series data and time series models (serial correlation of residuals, Akaike Information Criterion, Durbin-Watson test), ARIMA models, systems of equations, and Seemingly Unrelated Regression. Excellent preparation for quantitative research and advanced graduate work. Background in statistics and linear regression models required.
Credits: 3
Attributes: Social Science
Prerequisites: ECON 346

ECON 352 - URBAN ECONOMIC DEVELOPMENT
Interdisciplinary approach to theories of urban/local economic development including economics, planning, political science, finance, sociology, and marketing. Real world economic issues including local area, business, community, and human resource development, high technology, and technology transfer.
Credits: 3
Attributes: Social Science

ECON 355 - RHETORIC AND WRITING IN ECONOMICS AND THE SOCIAL SCIENCES
An introduction to the varieties of rhetorics employed in economics and other human sciences, including parts of philosophy and statistics. Practices of reading for the variety of rhetorics will be complemented by practices of writing for them. Students will learn to write persuasively in their home disciplines, and in several different genres.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 102

ECON 356 - ECONOMICS OF INEQUALITY
History, causes, and consequences of rising economic inequality in the U.S. and elsewhere.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: ECON 101

ECON 360 - INTERNSHIP IN ECONOMICS
Internship in Economics.
Credits: 3
Attributes: Social Science

ECON 374 - ECONOMICS OF DEVELOPMENT AND UNDERDEVELOPMENT
Major models in development from theoretical and practical perspectives. Mainstream, capital centered, and dualistic theories; growth with equity; basic needs; dependency; and Marxian approaches.
Credits: 3
Attributes: International Studies, Non-western Culture, Social Science
Prerequisites: ECON 102 or ECON 101

ECON 376 - INTERNATIONAL TRADE AND IMPERIALISM
Theory of international trade, international movements of capital and labor, and national commercial policies; economic analysis of multinational corporations and imperialism.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: ECON 321 or ECON 323

ECON 377 - INTERNATIONAL FINANCE AND BALANCE OF PAYMENTS
Theory and description of foreign exchange rates and foreign exchange markets; interactions between national income and balance of payments; evaluation and reform of international monetary institutions.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: ECON 102

ECON 395 - INDEPENDENT STUDY
Study of special topics under supervision of faculty.
Credits: 1-3
Attributes: Social Science
Prerequisites: ECON 102 and MATH 121
EDUC: EARLY CHILDHOOD (ECHD)

ECHD 210 - CHILD, FAMILY, COMMUNITY, AND PHILOSOPHY OF EARLY CHILDHOOD EDUCATION
Family, schools, and community involvement in educational programs; history and philosophy of early childhood education; impact on child and family development and a child’s academic development.
Credits: 3
Prerequisites: ECHD 305 and ECHD 328 and ECHD 341

ECHD 303 - IND. COACH & FIELD EXP. 1
Supervised observation and teaching in a local school or agency, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Emphasizes development of teaching skills through one-on-one instruction and coaching with a transition to small group instruction. Field experience provides a setting to implement required licensure assignments, assessments, hours and preparation for the edTPA.
Credits: 1
Course Notes: Open to COE majors only.

ECHD 305 - ASSESSMENT EARLY CHILDHOOD EDUCATION
Introduction to early childhood measurement and assessment techniques. Fundamentals of psychometric theory; review of commonly used standardized tests and classroom evaluation techniques.
Credits: 3
Prerequisites: ECHD 303 and ECHD 334 and ECHD 338

ECHD 309 - CHILD, FAMILY AND COMMUNITY
Family, schools, and community involvement in educational programs; impact on child and family development and a child's academic development. Twenty hours (20) of Service Learning (field experience) required.
Credits: 3
Attributes: Transformational Service Learning
Prerequisites: (ICTS-TAP-P/F/I with min score of P or (ACT Composite with min score of 19 and ACT Combined English/Writing with min score of 22) or SAT Writing with min score of 450)
Course Notes: ITCS Basic Skills Test with a min score of Pass required., Or Advisor consent.

ECHD 310 - ANTI-BIAS AND MULTICULTURAL CURRICULUM
The course explores current theories and practices in anti-bias, culturally responsive, multi-cultural education in early childhood education classrooms.
Credits: 3

ECHD 328 - IND. COACH & FIELD EXP 2
Credits: 1
Prerequisites: ECHD 303 and ECHD 334 and ECHD 338

ECHD 332 - PREPRIMARY: SCIENCE, MATHEMATICS, & SOCIAL STUDIES IN EARLY CHILDHOOD EDUCATION
Constructivist research and theories in teaching science, math, and social studies to children from infancy through kindergarten.
Credits: 3
Prerequisites: ECHD 334 and ECHD 305 and ECHD 337
Course Notes: EDUC 201 or advisor consent required., ITCS Basic Skills Test with a min score of Pass required.

ECHD 333 - PRIM SCI,MATH,SOC CONCEPTS ECE
Introduction to constructivist research and theories in teaching science, mathematics, and social studies to children from grades one through three. Examination and evaluation of appropriate materials and activities in school settings. Requires 25 clock hours of field experience.
Credits: 3
Prerequisites: ECHD 334 and ECHD 305 and ECHD 337
Course Notes: ITCS Basic Skills Test with a min score of Pass required., 25 clock hours field experience.

ECHD 334 - LANGUAGE DEVELOPMENT
Language development from infants through primary-aged children. Topics include speech and language processes for communication, language development stages, theories of language acquisition, assessment of language development, and activities to foster language development. Attention to linguistically diverse populations as well as to children who develop differently from the norm.
Credits: 3
Prerequisites: ECHD 211 and ECHD 209 and ECHD 338
Course Notes: Open to COE majors only. Advisor consent.

ECHD 336 - STRATEGIES AND MATERIALS FOR TEACHING EMERGENT LITERACY AND SOCIAL STUDIES: PRE-K
This course is designed to give students a framework from which to develop appropriate and effective language and literacy experiences for prekindergarten children. Children's literature will provide a framework for prekindergarten language arts instruction.
Credits: 3
Prerequisites: ECHD 303 and ECHD 334 and ECHD 338
Course Notes: Lab/Course Fee $110.00

ECHD 338 - EARLY CHILDHOOD CURRICULUM AND ASSESSMENT: PRESCHOOL
Skills necessary for working with young children with special needs. Laws, assessment, family focus, intervention principles, appropriate techniques, suitable materials, and inclusion of children with special needs in early childhood settings. The development and implementation of IFSPs and IEPs.
Credits: 3
Prerequisites: EDUC 202 (may be taken concurrently)
Course Notes: COE majors only. Advisor approval required., Lab/Course Fee $110.00

ECHD 339 - MATHEMATICS & SCIENCE IN EARLY CHILDHOOD EDUCATION
The course covers developmental theory and research in mathematics and science that underlie Common Core and early learning standards. Candidates will demonstrate knowledge of curriculum objectives and the selection and design of curriculum materials and activities appropriate for children in preschool, kindergarten and primary grades.
Credits: 3

ECHD 348 - INDIVIDUALIZED COACHING AND FIELD EXPERIENCES 3
Supervised observation and teaching in a local school or agency, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Emphasizes development of teaching skills through small and large group coaching and instruction. Field experience provides a setting to undertake required licensure assignments, assessments, hours and preparation for the edTPA.
Credits: 1
Prerequisites: ECHD 305 and ECHD 328 and ECHD 336
ECHD 352 - TOPICAL WORKSHOP
Credits: 1-6
Prerequisites: ICTS Basic Skills with min score of P

ECHD 370 - INFANT AND TODDLER: TEACHING, LEARNING AND ASSESSMENT
Students design and implement curriculum plans, and assess individual and group progress in infant and toddler settings. Students learn and demonstrate their understanding of a safe environment, multiculturalism, and health-related practices.
Credits: 3
Course Notes: Open to COE majors only. Lab/Course Fee $110.00.

ECHD 374 - STUDENT TEACHING AND SEMINAR IN EARLY CHILDHOOD EDUCATION
Supervised observation and teaching in preprimary and primary settings. Students design and implement curriculum plans and assess individual child and group progress. Students demonstrate their understanding of the role of family and community in child education. Seminar discussions on educational setting and analysis of student's own role in classroom and community.
Credits: 4-12
Prerequisites: ECHD 210 and ECHD 339 and ECHD 348
Course Notes: Written advisor consent required., All required coursework., ITCS Basic Skills and Early Childhood Content Test with a, min score of Pass required., Coll of Ed edTPA Exam Fee $300.00.

ECHD 375 - PRACTICUM: INFANT, TODDLER, AND PRESCHOOL
Supervised observation and teaching in infant, toddler, and preschool settings. Students design and implement curriculum plans, assess progress of individual children and the group, and demonstrate understanding of the role of family and community in child's education. Weekly seminar discussions focus on educational setting, teaching strategies, and individual problems.
Credits: 6
Course Notes: Written advisor consent required.

ECHD 380 - CAPSTONE: ISSUES & ADVOCACY IN EARLY CHILDHOOD
This course explores current issues in the field of early childhood education related to social justice and early education policy. The course also studies leadership, advocacy and the process of change, with an emphasis on understanding and applying leadership skills in a community action project focused on an issue concerning the local early childhood sector.
Credits: 3
Course Notes: Or Advisor Consent.

ECHD 382 - EARLY CHILDHOOD SPECIAL EDUCATION METHODS
Skills necessary for working with young children with special needs. Laws, assessment, family focus, intervention principles, appropriate techniques, suitable materials, and inclusion of children with special needs in early childhood settings. The development and implementation of IFSPs and IEPs. Twenty hours of field experience required.
Credits: 3
Prerequisites: ECHD 305 and ECHD 328 and ECHD 336

ECHD 395 - INDEPENDENT STUDY
Credits: 6
Course Notes: ITCS Basic Skills Test with a min score of Pass required.
EDUC: ELEMENTARY EDUCATION (ELED)

ELED 300 - CURRICULUM, INSTRUCTION, AND ASSESSMENT
Comprehensive course in the design of curriculum, instruction and assessment. Developmentally appropriate practices in curriculum, instruction and assessment. Curriculum models, instructional design including lesson and unit planning and development of assessment tools for diagnostic, formative and summative assessments.
Credits: 3
Course Notes: Open to COE majors only.

ELED 301 - FOUNDATIONS & COMMUNITY
The role of education in contemporary US society; the teaching profession and the standards that define it; the philosophical and historical context of contemporary education in the US; and the conceptual framework of Roosevelt University's College of Education and its function as an organizing principle for classrooms. Provides a foundation for all other course work in the elementary education program.
Credits: 3
Course Notes: Open to COE majors only.

ELED 303 - IND. COACH & FIELD EXP I
Supervised observation and teaching in a local elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Implementation courses, content, and pedagogical practice. Emphasizes development of teaching skills through one-on-one instruction with a transition to small group instruction. Field experience provides a setting to undertake other Orientation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Prerequisites: ELED 300 and ELED 301 and ELED 303

ELED 328 - IND. COACH & FIELD EXP. 2
Supervised observation and teaching in a local elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Implementation courses, content, and pedagogical practice. Emphasizes development of teaching skills through small group instruction. Field experience provides a setting to undertake other Implementation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Prerequisites: ELED 300 and ELED 301 and ELED 303

ELED 341 - METHODS OF TEACHING MATHEMATICS & SCIENCE IN K - 8 EDUCATION
This course provides strategies and curriculum for teaching mathematics and science in grades k-8 and models and examines an investigative approach to elementary mathematics instruction that is purposeful, inquiry-based, meaningful, and integrated with other content areas. Strategies focus on communication, connections, mathematical representations, problem-solving, logical reasoning, and applications to life situations.
Credits: 3
Prerequisites: ELED 300 (may be taken concurrently) and ELED 301 (may be taken concurrently) and ELED 303 (may be taken concurrently)

ELED 346 - METHODS OF TEACHING SCIENCE IN THE ELEMENTARY SCHOOL
This course provides strategies and curriculum for teaching natural, physical, earth, and space sciences in grades 1-6 and models and examines an investigative approach to elementary science instruction that is purposeful, inquiry-based, meaningful, and integrated with other content areas. Strategies focus on communication, connections, scientific demonstrations, problem solving, scientific reasoning, and applications to self and life situations.
Credits: 3
Prerequisites: READ 320 and ELED 341 and ELED 322
Course Notes: Admission to NDTA Required

ELED 348 - COACHING & FIELD EXP. 3
Supervised observation and teaching in a local elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Innovation courses, content, and pedagogical practice. Emphasizes development of teaching skills through small and large group instruction. Field experience provides a setting to undertake other Innovation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Prerequisites: ELED 328 and ELED 341 and READ 320

ELED 352 - TOPICAL WORKSHOP
Credits: 1-6
Course Notes: ICTS Basic Skills Test with min score Pass required.

ELED 366 - STUDENT TEACHING SEMINAR: ELEMENTARY EDUCATION
Supervised observation and teaching in a local K-9 elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual problems; emphasis on development of independence and skills through self-analysis techniques.
Credits: 12
Prerequisites: (ICTS-TAP-P/F/I with min score of P or (ACT Composite with min score of 22 and ACT Combined English/Writing with min score of 19) or SAT Writing with min score of 450) and ICTS Elementary/Middle Grades with min score of P and ELED 261 and READ 320 and ELED 321 and READ 323 and ELED 325 and ELED 327 and ELED 361
Course Notes: All required coursework and, advisor consent required., ICTS Content Test with min score, Pass required. Registration completed by Office of Field, Placement., course fee: $300 edTPA test fee

ELED 370 - STUDENT TEACHING IN ELEMENTARY EDUCATION
Supervised observation and teaching in a partner elementary school. Seminar discussions concerning observational records, teaching strategies, evaluation, and diverse learners; emphasis on development of independence and skills through self-analysis techniques. Provides a focused and intensive clinical experience for the elementary education program. Large group instruction and differentiation practices are emphasized.
Credits: 12
Prerequisites: READ 333 and EDUC 321 and ELED 348
Course Notes: ILTS ELED Content Test with min score Pass., Advisor Consent Coll of Ed edTPA Exam Fee $300.00

ELED 395 - INDEPENDENT STUDY
Credits: 1-6
Course Notes: ICTS Basic Skills Test with min score Pass required.
**EDUC: LANGUAGE & LITERACY (READ)**

**READ 320 - METHODS OF TEACHING READING IN K-8 EDUCATION**
Approaches to teaching beginning- and primary-level reading and expanded approaches at all levels including middle school, language arts/reading interrelatedness. Balanced literacy and literature-based instruction; assessment strategies, materials, and organization of differentiated programs of reading instruction.
Credits: 3
Prerequisites: ELED 300 and ELED 301 and ELED 303

**READ 324 - INTRODUCTORY SEMINAR IN SPOKEN WORD EDUCATION**
Provides an introduction to poetry writing skills and explores methods of effective poetry integration into classroom and co-curricular activities and overview of and its practical applications in the classroom.
Credits: 3
Course Notes: Cross-listed with READ 425

**READ 325 - SEMINAR IN SPOKEN WORD EDUCATION II**
This course is the third in a sequence of seminars that advance poetry writing competencies to the level of professional writing and publication. Students will learn program planning and develop the leadership skills necessary to successfully implement Spoken Word programs in a school setting.
Credits: 3
Course Notes: Cross-listed with READ 425

**READ 326 - INTRODUCTION TO SPOKEN WORD PEDAGOGY**
Provides an introduction to and overview of Spoken Word as pedagogy and its practical applications in the classroom.
Credits: 3

**READ 333 - STRAT/MAT READ & SOC STUD K-8**
This course will examine theories, processes, and strategies of literacy learning specifically designed to meet the instructional needs of all student in classrooms in all content areas including social studies. A Balanced Literacy model, which has language as the foundation of the tenets, will be used as the central framework. Common Core Standards are addressed as well as the instructional shifts that accompany the implementation of the standards. In addition, candidates will examine and evaluate effective reading and writing strategies, formative assessment formats and strategies, and relevant materials for instruction in all content areas including social studies.
Credits: 3
Prerequisites: READ 320 and ELED 341 and ELED 328

**READ 339 - YOUNG ADULT LITERATURE**
Focuses on critically acclaimed and popular literature written for and read by teen readers (grades 7-12). Explores the historical emergence of the genre, different ways of reading and responding to it, relationships to adult literature and popular culture, as well as issues of censorship, teaching, and distribution.
Credits: 3
Course Notes: Counts toward certificate in child and family studies.

**READ 352 - TOPICAL WORKSHOPS**
Topics may include issues and trends in contemporary education.
Credits: 1-6

**READ 358 - LINGUISTICS FOR ESL TEACHERS**
This course will focus on theory and research in learning English as a Second Language (ESL). Students will gain a foundation for understanding linguistics and learning theory specifically applied to ESL, bilingualism, and dual language education. The basics of linguistics, including phonology, syntax, morphology, semantics, and pragmatics will be addressed. In addition, much emphasis will be given to the area of applied linguistics (language in use) as it relates to the language development of native and non-native speakers of English. Links will be made to PreK-12th grade classroom settings, linguistically and culturally diverse learners, and professional standards.
Credits: 3

**READ 363 - TEACHING LANGUAGE AND LITERACY IN THE CONTENT AREAS**
Strategies and materials for teaching students to read and write in content areas. Development of concepts and vocabulary, comprehension and composition, and study skills. Focus on integrating reading and writing across the curriculum.
Credits: 3

**READ 368 - FOUNDATIONS OF BILINGUAL & ESL EDUCATION**
Historical, philosophical, theoretical, sociocultural, and legislative foundations of bilingual and ESL education in the US. Comparison of different methods and models of bilingual and ESL education and examination of current issues. Requires 10 clock hours of clinical experience.
Credits: 3

**READ 373 - ASSESS OF BILINGUAL STUDENTS**
This course is a comprehensive overview of issues, challenges, and techniques in the assessment of bilingual students. It covers the full range of bilingual assessment from standardized tests to alternative assessment methodology. The course will emphasize authentic assessment techniques in the classroom including portfolios, performances, projects, self-assessment, criterion referenced assessment, observation, and teacher made assessment tools such as rubrics, and checklists.
Credits: 3

**READ 374 - METHODS & MATERIALS TEACHING BILINGUAL**
This course explores theories, techniques, and programs for teaching bilingual students. Students will learn about national, state, and local policies and programs for educating bilingual students, including English language learners. This course highlights dual language education, a form of bilingual education where all students learn content in two languages. Strategies focus on integrating language development and content instruction throughout all grade levels.
Credits: 3

**READ 375 - METHODS & MATERIALS TEACHING ESL**
This course provides strategies and resources for teaching students learning English as a second language. Strategies focus on integrating language development and content instruction throughout all grade levels. This course references language learning theories, educational language policy and programming, and methods of assessment and evaluation.
Credits: 3

**READ 376 - CROSS-CULT STUDY FOR TEACH LEP**
Impact of culture on individuals, groups, school, work, communities, and society. Ecological perspective in conceptualizing and understanding culture and context; focus on individuals with limited English proficiency in the US.
Credits: 3
READ 395 - INDEPENDENT STUDY
Credits: 1-6
SEED 003 - CAREER COACHING FOR EDUCATORS
Support for teacher candidates as they prepare the edTPA portfolio and find a first teaching position.
Credits: 0
Prerequisites: ECHD 374 (may be taken concurrently) or ELED 366 (may be taken concurrently) or SEED 360 (may be taken concurrently) or SPED 366 (may be taken concurrently) or ECHD 474 (may be taken concurrently) or ELED 470 (may be taken concurrently) or SEED 460 (may be taken concurrently) or SPED 370 (may be taken concurrently)

SEED 301 - SEMINAR IN SECONDARY EDUCATION
Principles and practices of secondary education (6-12). Curriculum, student-centered instructional methods; approaches to assessment; classroom management; reflective practice. Requires 15 hours field experience in a variety of educational settings.
Credits: 4

SEED 303 - INSTRUCTIONAL COACHING 1
Provides coaching and support for the development of effective and culturally responsive instruction through microteaching and other practices. Requires 30-50 hours of field experiences working with diverse learners and more than one ethnic/cultural group in a high school setting.
Credits: 3
Prerequisites: SEED 301 (may be taken concurrently)
Course Notes: Must be taken concurrently with SEED 301.

SEED 321 - METHODS OF TEACHING SECONDARY BUSINESS EDUCATION
Curriculum, instruction, standards, and assessment for business, economics, accounting, and keyboarding. Based on National Business Education Association standards for the design of student-centered programs, including courses, units, activities, and learning experiences. Focus on grades 6-12.
Credits: 3
Course Notes: ICTS Basic skills test with min score pass required., Must have 24 semester hours in the major with C or higher

SEED 322 - METHODS OF TEACHING SECONDARY SCIENCE
Science curriculum and instruction, standards, and assessment. Based on National Science Teachers Association standards for the design of student-centered programs, including courses, units, activities, and learning experiences. Focus on grades 6-12.
Credits: 3
Course Notes: Must have 24 semester hours in the major.

SEED 323 - METHODS OF TEACHING MIDDLE SCHOOL-SECONDARY MATH
Mathematics curriculum and instruction, standards, and assessment. Based on National Council of Teachers of Mathematics standards for the design of student-centered programs, including courses, units, activities, and learning experiences. Focus on grades 6-12.
Credits: 3
Course Notes: Must have 24 semester hours in the major with C or higher

SEED 350 - FIELD EXPERIENCE SECONDARY EDUCATION
Observation and classroom experience in educational settings. In-depth lesson and unit development and presentation using multiple methods and assessments. Focus on various classroom management approaches within the context of reflective practice. Sixty clock hours of field experience.
Credits: 4
Prerequisites: SEED 301
Course Notes: Adv.consent/45-60hrs field exp.

SEED 353 - INSTRUCTIONAL COACHING 2
Provides coaching and support for the development of effective and culturally responsive instruction through intensive field experiences and the completion of a pilot edTPA. Requires 50 hours of field experiences working with diverse learners and more than one ethnic/cultural group in a high school setting.
Credits: 3
Prerequisites: SEED 301 and SEED 303 and SEED 350 (may be taken concurrently)

SEED 355 - CREATING INTEG CONTENT
Credits: 3

SEED 356 - FIELD EXPERIENCES IN MIDDLE CHILDHOOD EDUCATION
Observation and classroom experience in middle childhood settings. In-depth lesson and unit development and practice teaching using multiple methods and assessments. Focus on various classroom management approaches within the context of reflective practice. Forty five clock hours of field experience.
Credits: 3
Course Notes: Consent of advisor 45 hours of field, experiences required. Lab, Lab/Course Fee $110.00
SEED 360 - STUDENT TEACHING SEMINAR: SECONDARY EDUCATION
Supervised observation and teaching in local junior or senior high school. Seminar discussions of observational records, teaching strategies, evaluation, and individual problems. Emphasis on development of independence and skills through self-analysis techniques.
Credits: 12
Prerequisites: (ICTS-TAP-P/F/I with min score of P or (ACT Composite with min score of 19 and ACT Combined English/Writing with min score of 22) or SAT Writing with min score of 450) and (ICTS Bus Mktg Computer Ed with min score of P or ICTS English Language Arts with min score of P or ICTS Mathematics with min score of P or ICTS Science: Biological with min score of P or ICTS Science: Chemistry with min score of P or ICTS Soc Science: History with min score of P) and SEED 301 and SEED 350 and (SEED 327 or SEED 322 or SEED 321 or SEED 326 or SEED 323)
Course Notes: Instr./Advisor consent, ICTS Basic skills test with min score pass required., Course fee: $300 edTPA test fee

SEED 361 - STUDENT TCH SEM MID SCH
Credits: 12
Course Notes: All required coursework, advisor consent required. ICTS, content Test with min score Pass required.
EDUC: SPECIAL EDUCATION (SPED)

SPED 219 - EXCEPT CHILDREN & YOUTH
Credits: 3
Course Notes: This course looks at students with special needs in grades, PK-12. Ten observation hours are required.

SPED 300 - CURRICULUM, INSTRUCTION, & ASSESSMENT
Comprehensive course in the design of curriculum, instruction and assessment. Developmentally appropriate practices incurriculum, instruction and assessment. Curriculum models, instructional design including lesson and unit planning and development of assessment tools for diagnostic, formative and summative assessments.
Credits: 3
Course Notes: Open to COE majors only.

SPED 301 - FOUNDATIONS & COMMUNITY
The role of education in contemporary US society; the teaching profession and the standards that define it; the philosophical and historical context of contemporary education in the US; and the conceptual framework of Roosevelt University's College of Education and its function as an organizing principle for classrooms. Provides a foundation for all other course work in the elementary education program.
Credits: 3
Course Notes: Open to COE majors only.

SPED 303 - IND. COACHING & FIELD EXP. 1
Supervised observation and teaching in a local elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Orientation courses, content, and pedagogical practice. Emphasizes development of teaching skills through one-on-one instruction with a transition to small group instruction. Field experience provides a setting to implement other Orientation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Course Notes: COE majors only

SPED 328 - IND. COACHING & FIELD EXP. 2
Supervised observation and teaching in a local elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Implementation courses, content, and pedagogical practice. Emphasizes development of teaching skills through small group instruction. Field experience provides a setting to undertake other Implementation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Prerequisites: SPED 300 and SPED 301 and SPED 303

SPED 340 - ASSESSMENT IN SPECIAL EDUCATION
Test selection, classification, and placement decisions. Use of various techniques for evaluation of the progress of individuals in special education at all levels. Laboratory experience in administering, scoring, interpreting, and reporting test results.
Credits: 3
Prerequisites: SPED 301 and SPED 303

SPED 341 - METHODS OF TEACHING MATHEMATICS & SCIENCE IN K-8 EDUCATION
This course provides strategies and curriculum for teaching mathematics in grades 1–6 and models and examines an investigative approach to elementary mathematics instruction that is purposeful, inquiry-based, meaningful, and integrated with other content areas. Strategies focus on communication, connections, mathematical representations, problem solving, logical reasoning, and applications to life situations.
Credits: 3
Prerequisites: SPED 300 (may be taken concurrently) and SPED 301 (may be taken concurrently) and SPED 303 (may be taken concurrently)
Course Notes: Open to College of Education major only.

SPED 342 - CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON COGNITION
Curriculum, major objectives of instruction, and specific methods and materials for teaching students with cognitive disabilities. Preparation of the Individualized Education Program (IEP) and transition planning; evaluation techniques; recent research.
Credits: 4

SPED 343 - CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON BEHAVIOR
The role of education in contemporary US society; the teaching profession and the standards that define it; the philosophical and historical context of contemporary education in the US; and the conceptual framework of Roosevelt University's College of Education. A foundation for all other course work in the graduate elementary education program. Open only to graduate students in elementary education.
Credits: 4
Prerequisites: SPED 301 and SPED 303

SPED 345 - CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON PHYSICAL HEALTH
Educational considerations for students with physical disabilities and other health impairments. Emphasis on technology, assistive strategies, the principle of partial participation, and curriculum modification and adaptation. Recent research in disabilities that limit mobility, fine and gross motor skills, and independent living.
Credits: 4
Prerequisites: SPED 300 and SPED 301 and SPED 303

SPED 346 - CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON LEARNING
Credits: 4

SPED 348 - IND. COACH & FIELD EXP III
Credits: 1
Prerequisites: SPED 328 (may be taken concurrently) and SPED 341 and SPED 343

SPED 350 - TECHNOLOGY FOR SPECIAL EDUCATION
The use of instructional and assistive technology as they relate to teaching, learning, and successful integration of people with disabilities. Exploration of hardware and software developed specifically for people with disabilities, as well as hardware and software that can be adapted for use with people with disabilities.
Credits: 2,3
SPED 361 - INTERNSHIP IN SPECIAL EDUCATION
Five-week internship in special education setting; hands-on work with students with special needs. Precedes student teaching; provides intensive experience across the spectrum of educational placements and age levels. Class members participate in planning and implementing individual student, small group, and whole class lessons. Focus on IEP goal integration into planning. Weekly seminar sessions focus on the roles and responsibilities of the special educator.
Credits: 4
Prerequisites: ICTS-SPED Gen Curr Test-P/F with min score of P and ICTS Learn Behavior Spec I with min score of P and SPED 321 and SPED 340 and SPED 342 and SPED 343 and SPED 345 and SPED 346 and SPED 350 and READ 320
Course Notes: All profess. courses completed, ICTS Content Test with min score pass required., Concurrent enrollment with SPED 366 required. Office of Field Placement will register students for this course., Advisor Consent

SPED 366 - STUDENT TEACHING SEMINAR: SPECIAL EDUCATION
Supervised observation and teaching in local K-12 school; seminar discussions concerning observational records, teaching strategies, evaluation, and individual problems. Ten-week experience in a special education setting. Emphasis on development of independence and skills. This course follows internship and provides intensive experience across the spectrum of educational placements and age levels.
Credits: 8
Course Notes: All profess. courses completed, ICTS Content Test with min score pass required., concurrent enroll. with SPED 361 required. Office of Field Placement will register students for this course., Course fee: $300 edTPA test fee, Advisor Consent

SPED 382 - EARLY CHILDHOOD SPECIAL EDUCATION METHODS
Skills necessary for working with young children with special needs. Laws, assessment, family focus, and inclusion of children with special needs in early childhood settings; the development and implementation of IFSPs and IEPs. Requires 20 hours of field experience.
Credits: 3
Prerequisites: (ICTS-TAP-P/F/I with min score of P or (ACT Composite with min score of 19 and ACT Combined English/Writing with min score of 22) or SAT Writing with min score of 450)
Course Notes: ICTS Basic skills test with min score pass required.

SPED 395 - SPECIAL EDUCATION INDEPENDENT STUDY
Credits: 1-4
Course Notes: ICTS Basic skills test with min score pass required.
EDUCATION (EDUC)

EDUC 003 - CAREER COACHING FOR EDUCATORS
Support for teacher candidates as they prepare the edTPA portfolio and find a first teaching position.
Credits: 0
Prerequisites: ECHD 374 (may be taken concurrently) or SEED 360 (may be taken concurrently) or ELED 370 (may be taken concurrently) or SPED 366 (may be taken concurrently) or ECHD 474 (may be taken concurrently) or ELED 470 (may be taken concurrently) or SEED 460 (may be taken concurrently) or SPED 470 (may be taken concurrently)
Course Notes: Restricted to College of Education Student, Advisor Consent

EDUC 101 - BECOMING A SJ EDUCATOR
Discussions of common readings, informal writing assignments, and information literacy exercises introduce students to different pathways for becoming a social justice-oriented educator. Learning activities help first-year students develop supportive relationships with classmates and instructor and grow in the abilities to communicate effectively as future educators.
Credits: 3
Course Notes: Freshman exp. seminar for EDUC S.T.A.R. recipients only.

EDUC 201 - LANGUAGE & CULTURE IN EDUCATION
This course will give a comprehensive overview of historical, philosophical, theoretical, socio-cultural, and legislative foundations of bilingual and ESL education in the United States. Comparison and effects of different methods and models of bilingual and ESL education will be explored, with an emphasis on Dual Language education. Students will examine current issues in multilingual schools with an emphasis on content and language integrated instruction.
Credits: 3
Prerequisites: ENG 101
Course Notes: Restricted to College of Education majors and Secondary Education minors. Minimum grade of C- is required in this class.

EDUC 202 - CHILD & ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION
Comprehensive study of child growth, development, learning, and motivation from conception through adolescence. Emphasis on early stages as foundation for later physical, social, emotional, and cognitive development. Theories and current research focusing on development, learning, motivation and behavior management. Application of concepts to the development of effective and engaging classroom communities.
Credits: 3
Prerequisites: ENG 102
Course Notes: Open to all students, no Basic Skills text required. Counts toward Educational Studies minor. Requires a minimum of 15 hours of classroom, observation and tutoring.

EDUC 295 - INDEPENDENT STUDY
Proposal for independent study must state purpose, problem, methods of approach, and evaluation. Proposal must be approved by student's advisor and college dean and be conducted under faculty guidance. (1-6)
Credits: 1-6
Course Notes: ICTS Basic Skills Test with a min score Pass required.

EDUC 310 - ANTI-BIAS & MULTICULTURAL CURR
The course explores current theories and practices in anti-bias, culturally responsive, multi-cultural education in early childhood education classrooms.
Credits: 3
Prerequisites: EDUC 270 or EDUC 457 and EDUC 371 and ICTS Basic Skills with min score of P
Course Notes: A minimum grade of C is required in this class.

EDUC 311 - YTH & SOC POL RESEARCH
This course explores key concepts that accentuate the analysis and practice of youth social policy and their relationship with social, economic and political change. Actively engage in problem-solving processes and develop skills in group work.
Credits: 3
Prerequisites: EDUC 270 or EDUC 457 and EDUC 371 and ICTS Basic Skills with min score of P
Course Notes: A minimum grade of C is required in this class.

EDUC 312 - YOUTH & SOC POL LEADERSHIP
Focuses on programs and administrative policies and procedures that govern youth development programs at the local, state and national levels. Programs emphasizing best practices are studied. Focuses on the development of leadership skills and group dynamics in program development. Professional ethics related to human service professionals are integrated.
Credits: 1,3
Attributes: Social Justice Studies
Prerequisites: ICTS Basic Skills with min score of P
Course Notes: A minimum grade of C is required in this course.

EDUC 316 - CITY LIFE FOR CITY YOUTH
This class explores life experiences and identities shaped by urban environments, social movements and organizations advocating for youth rights.
Credits: 3
Course Notes: A min grade of C is required for this class.

EDUC 321 - INTERGR, HLTH, ARTS & PE CURR
Special topics and comprehensive understanding of essential content in health education and physical education. Strategies for meaningfully integrating the visual arts, drama, music, dance, play, health education, and physical education across the natural sciences, social sciences, and humanities to enrich the learning process and socio-emotional outcomes.
Credits: 3

EDUC 325 - TOPICAL WORKSHOP
Focuses on topics of general educational interest. Topics may include multicultural education, urban youth, and the politics of education, among others.
Credits: 1-6

EDUC 357 - PRACTICUM: YOUTH DEV & EDU
Supervised observation in youth development practice and service provision in organizational setting.
Credits: 3,6
Prerequisites: ELED 348
Course Notes: Restricted to College of Education majors. A minimum grade of C- is required in this class.
EDUC 380 - CAPSTONE: CHILD & YOUTH ISSUES AND ADVOCACY
This course explores current issues in the field of youth serving agencies/organizations related to social justice and youth development programs. The course also studies leadership, advocacy and the process of change, with an emphasis on understanding and applying leadership skills within community action.
Credits: 3
Prerequisites: ELED 348
Course Notes: Restricted to College of Education majors., A minimum grade of C- is required in this class.

EDUC 395 - INDEPENDENT STUDY
Proposal for independent study must state purpose, problem, methods of approach, and evaluation. Proposal must be approved by student’s advisor and college dean and must be conducted under faculty guidance.
(1-6)
Credits: 1-6
Course Notes: Written consent., ICTS Basic Skills Test with min score Pass required.
ENGLISH (ENG)

**ENG 101 - COMPOSITION I: CRITICAL READING & WRITING**
This course is designed to help students gain competence in analytical reading and writing. Students are engaged in writing as a process of critical inquiry, revision and collaboration and are invited to actively participate in our writing community.
Credits: 3
Prerequisites: ENG 101

**ENG 102 - COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH**
This course introduces students to the process of academic research and engages them in research-oriented writing. Students participate in a series of academic conversations about important issues by learning to locate, evaluate, analyze and present appropriate source materials in their own writing projects.
Credits: 3
Prerequisites: ENG 101

**ENG 115 - EXPLORING LITERATURE**
Offers an introduction to a particular literary topic, genre or period in order to explore the ways in which literature and its many forms create ways of thinking. Recent topics have included: American Satire, Graphic Novel, and Comics and Film.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 101

**ENG 117 - TOPICS: IDEAS THROUGH THE CENTURIES**
ENG 117 will explore a concept through a variety of cultural lenses (such as literature, film, performing arts, and popular culture media) across time and geographic boundaries. Students will have the opportunity to analyze primary texts, honing their critical thinking and written and oral communication skills. Social justice issues will be of central importance in the course.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 101
Course Notes: Specific topics courses may have additional attributes

**ENG 205 - SHAKESPEARE IN CONTEXT**
This course will situate Shakespeare in the context of his contemporaries, collaborators and competitors in the London theater scene of the late sixteenth and early seventeenth centuries. We will consider issues of genre, as well as the different kinds of theaters (private/indoor, outdoor, court, boy companies, itinerant) for which these dramatists wrote.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 101

**ENG 206 - PHILOSOPHY IN LITERATURE**
Philosophical problems found in selected novels, short stories, plays, poems, and essays.
Credits: 3
Attributes: Humanities

**ENG 207 - INTRODUCTION TO AFRICAN-AMERICAN LITERATURE**
African American literature is a dynamic resource for understanding numerous individual, communal, and societal needs. This survey will highlight canonical and emerging African-American authors from the 18th-21st century (e.g. Dunbar, Johnson, Jacobs, Wells-Barnett, Hughes, Fauset, Wright, Hurston, Ellison, Brooks, Baraka, Sanchez, Young, Clifton, Reed, Hemphill, Beatty) through a range of genres, noting African, European, and ‘New World’ influences. The writer’s role in a given community, an artist’s aesthetic considerations and unique voice, the function of the arts, and major movements (e.g. New Negro Harlem Renaissance and the Black Arts Movement) will be among the contexts for our study. Satisfies non-Western requirement.
Credits: 3
Attributes: Humanities, Non-western Culture
Prerequisites: ENG 101
Course Notes: Open to freshmen

**ENG 210 - BRITISH LITERATURE TO 1789**
Survey of British literature in all genres with focus on significant works from the medieval period, the Renaissance, and the Neo-Classical Age. Distinctive characteristics of the works; connections to the traditions of British literature; contributions to the evolution of British culture.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 101
Course Notes: Open to freshmen.

**ENG 211 - BRITISH LITERATURE 1789 TO PRESENT**
The literary and cultural developments of the Romantic, Victorian, modern, and contemporary eras of British literature. Working with texts from all genres, students explore shifts in literature and aesthetics with respect to social and industrial revolution, imperial advance and decline, and modernity and postmodernity.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 101
Course Notes: Open to freshmen.

**ENG 212 - AMERICAN LITERATURE TO 1865**
Texts from the colonial period through the Civil War; emphasis on the variety of genres—Native American myths, journals and autobiographies, sermons, slave and captivity narratives, public debates, essays, poems, and prose fiction. How the social and historical contexts for these writings defined the emerging cultures of the US.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 101
Course Notes: Open to freshmen.

**ENG 213 - AMERICAN LITERATURE 1865-PRESENT**
The cultural development and literary experimentation of American writing in the wake of national crisis, through the development of the US as an industrial society, and into the era of global prominence dubbed the ‘American Century.’ The wide range of theories, practices, and social meanings of American writing.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 101
Course Notes: Open to freshmen.
ENG 215 - INTRODUCTION TO ETHNIC LITERATURES
Representative works from multiple ethnic traditions. Themes may include cultural preservation and assimilation; intersections of gender, race, and class; narrative forms and identity; and relationships between writers and their communities. Satisfies non-Western requirement. Please click the CRN for the description of this course.

Credits: 3
Attributes: Humanities, Non-western Culture
Prerequisites: ENG 101
Course Notes: Open to freshmen.

ENG 220 - INTRODUCTION TO LITERARY ANALYSIS
Close reading of poetry, fiction, non-fiction and drama; introduction to literary theories to develop a critical vocabulary and interpretive strategies for textual analysis. Writing assignments increase awareness of why we read literature, how literary reading relates to other kinds of reading, and what the experience of literature means in our society.

Credits: 3
Attributes: Humanities
Prerequisites: ENG 102

ENG 221 - TEXTS AND CONTEXTS
Application and comparison of critical and contextual approaches to literary study. Close textual analysis within several contextual frameworks. Comparative study of a limited set of literary texts, applying and evaluating various critical approaches and historical/cultural contexts. Awareness of why we read literature and how literary texts relate to other cultural texts.

Credits: 3
Attributes: Humanities
Prerequisites: ENG 220 (may be taken concurrently)

ENG 222 - WRITING TUTOR PRACTICUM
ENG 222 focuses on issues related to academic literacies through discussion of professional and scholarly materials, collaborative writing projects, and putting theories into practice through a variety of tutoring activities engaging primarily with first-year students taking ENG 101. You will be trained as tutors by the Writing Center; throughout the semester you will focus on how to make the transition to college life and writing more socially just and effective.

Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 223 - ADVANCED ACADEMIC WRITING
Advanced Academic Writing is a problem-based learning course that addresses a question common to social justice issues: What will it take to transform specific instances of injustice, environmental degradation, or uneven access to resources and socially powerful institutions? Students are divided into semester-long working groups; with the help of undergraduate Peer Instructors, they research, discuss, and present possible solutions to the problems confronting the class. Students may enroll in any version of the course, including those offered in their major programs. Some sections incorporate Transformational Service-Learning activities.

Credits: 3
Attributes: Grounds for Change
Prerequisites: ENG 102

ENG 225 - DIGITAL AGE RHETORIC AND PUBLIC SPEAKING
Digital technology has brought with it an expanded notion of “public” speaking and several new rhetorical contexts. This course will focus on rhetoric in the digital age and the various settings in which “public” speaking takes place. Students will research, write, and deliver at least three speeches.

Credits: 3
Attributes: Humanities
Course Notes: The hybrid format of this course involves both online and, face-to-face learning. The bulk of study, will take place in the online environment. The, face-to-face learning component requires students to, meet three-five (3-5) times on-campus. Students must, be available to attend these classes, which, will meet on Wednesdays from 6-8:30pm.,
Course open to First-year students who, have met prequisites.

ENG 305 - SHAKESPEARE IN CONTEXT
This course will situate Shakespeare in the context of his contemporaries, collaborators and competitors in the London theater scene of the late sixteenth and early seventeenth centuries. We will consider issues of genre, as well as the different kinds of theaters (private/indoor, outdoor, court, boy companies, itinerant) for which these dramatists wrote.

Credits: 3
Attributes: Humanities
Prerequisites: ENG 220
Course Notes: Cross-listed with ENG 205

ENG 310 - SPECIAL TOPICS IN BRITISH LITERATURE
Advanced literature seminar focused on a period or topic in British literature, such as 'Early Modern Women Writers' and 'The Rise of the Novel.' For more details, please click the highlighted CRN number for this course on the specific term schedule.

Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 311 - SPECIAL TOPICS IN BRITISH LITERATURE
Advanced literature seminar focused on a period or topic in British literature, such as 'Non-Shakespearean Early Modern Drama' and 'Frankenstein, Literature, and Film.' For more details, please click the highlighted CRN number for this course on the specific term schedule.

Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 313 - SPECIAL TOPICS IN BRITISH LITERATURE
Advanced literature seminar focused on a period or topic in British literature, such as 'Crime and Victorian Lit.' For more details, please click the highlighted CRN number for this course on the specific term schedule.

Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 314 - SPECIAL TOPICS IN BRITISH LITERATURE
Advanced literature seminar focused on a period or topic in British literature, such as 'Early Modern Women Writers' and 'The Rise of the Novel.' For more details, please click the highlighted CRN number for this course on the specific term schedule.

Credits: 3
Attributes: Humanities
Prerequisites: ENG 220
ENG 315 - SPECIAL TOPICS IN BRITISH LITERATURE
Advanced literature seminar focused on a period or topic in British literature, such as 'Contemporary Irish Women Writers.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 322 - SPECIAL TOPICS IN AMERICAN LITERATURE
Advanced literature seminar focused on a period or topic in American literature, such as 'Recent American Fiction.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 323 - SPECIAL TOPICS IN AMERICAN LITERATURE
Advanced literature seminar focused on a period or topic in American literature, such as 'Early American Fiction,' '19th-Century American Women's Fiction' or '19th-Century American Poetry.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 325R - WRITING COMM
This service learning course emphasizes the application of oral and written communication by immersing students in the dialogue of their local communities and developing their voice and civic responsibility as individuals. It includes advanced practice of group communication, oral presentations, and the writing of business documents, such as memos, letters, project proposals, and reports, with particular emphasis on helping students achieve professional quality in the areas of style, tone, organization and layout. (Prerequisites: ENG 211 or ENG 214)
Credits: 3

ENG 335 - TOPICS IN CREATIVE WRITING
Focused and timely courses in the art and craft of creative writing. Recent topics include Creative Writing for Teachers, Poetic Forms and Variations Workshop, and Speculative Fiction Workshop.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 101
Course Notes: Instructor consent

ENG 341 - SPECIAL TOPICS IN LITERARY THEME
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topic, such as 'American Naturalism,' 'Gender and the Artist' and 'Black Lives in US Literature.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 342 - SPECIAL TOPICS IN LITERARY THEME
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topics, such as 'Imagining Terror.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 343 - SPECIAL TOPICS IN LITERARY THEME
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topic, such as 'Modernism and Gender' and 'Gender in Horror.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 344 - SPECIAL TOPICS IN LITERARY THEME
Advanced literature seminars dealing with primary literature and theory focused on a particular unifying topic. Recent topics have included "Literature of the Color Line," "Contemporary Native American Literature," "Love in Renaissance Literature," and "Irish Women's Literature," "Sexuality and Literature," "Canadian Literature." For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 345 - SPECIAL TOPICS IN LITERARY THEME
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topic, such as 'Literature of Chicago.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 346 - SPECIAL TOPICS IN LITERARY THEME
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topic, such as 'Literature of the Color Line.'
For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 347 - SPECIAL TOPICS IN LITERARY THEME
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topic, such as 'Gender and Sexuality in Asian-American Literature' and 'Environmental Literature & Rhetoric.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220
ENG 349 - SPECIAL TOPICS IN LITERARY THEME
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topic, such as 'Canadian Literature.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 351 - SPECIAL TOPICS IN LITERARY GENRE
Advanced literature seminars that concentrate on the properties of genre and the ways in which genre conditions the reading experience, on topics such as 'Sexuality and Literature.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220

ENG 362 - SPECIAL TOPICS IN A SINGLE AUTHOR
Advanced literature seminar that looks closely at the work and career of a single author/auteur in relationship to cultural history or other relevant touchstones, such as 'Hitchcock' and 'Charlie Chaplin.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220 or (FILM 201) or FILM 220
Course Notes: FILM minors should register for this course as FILM 360.

ENG 363 - SPECIAL TOPICS IN A SINGLE AUTHOR
Advanced literature seminar that looks closely at the work and career of a single author/auteur in relationship to cultural history or other relevant touchstones, such as 'Shakespeare, Collaborators and Competitors.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3,6
Attributes: Humanities
Prerequisites: ENG 220

ENG 367 - TEACHING WRITING: THEORY & PRACTICE
This course explores the theory and practice of writing instruction in secondary and post-secondary educational settings, with a special emphasis on the political implications of the choices that teachers make in the writing classroom. Students will explore pedagogies, interview writing teachers, develop assignments, and conduct independent research toward the creation of a personal teaching philosophy.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220
Course Notes: WRTG minors should enroll for this course as WRTG 367.

ENG 385 - INTERNSHIP IN TEACH LITERATURE
Student is apprenticed to an experienced teacher in an English literature course and participates in class planning and procedures. Construction of syllabus, lesson plans, lectures, writing assignments, and tests supplemented by classroom experience in facilitating discussions and supervising student progress.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220
Course Notes: Program approval

ENG 387 - INTERNSHIP IN TEACH COMPOSITION
Student is apprenticed to an experienced teacher in a composition course and participates in class planning and procedure. Readings in composition theory supplemented by classroom observation and tutoring under supervision of director of composition.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 220
Course Notes: Consent of Prog. Chair

ENG 395 - INDEPENDENT STUDY
Directed study arranged one-on-one by the student in consultation with a faculty member.
Credits: 1-3
Attributes: Humanities
Prerequisites: ENG 220
Course Notes: Program approval
ENGLISH LANGUAGE PROGRAM (ELP)

ELP 030 - ENGLISH FOR SPECIFIC PURPOSES
English as a second language course designed for specific student cohorts. Topics will vary according to student needs and cohort focus.
Credits: 6
Course Notes: Consent of ELP Director required.

ELP 086 - SPEAKING & LISTENING - LEVEL I
Develops the ability of ESL students to perform routine daily functions inside and outside a university setting. Includes work in listening, comprehension, and pronunciation.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 087 - GRAMMAR - LEVEL I
Focuses on Grammatical structures and word forms and functions that are basic to American English sentence structure. Stresses both grammatical accuracy and the communicative needs of non-native speakers of English.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 088 - READING - LEVEL I
Provides English language learners with basic, functional vocabulary necessary for everyday life in the U.S., as well as the foundation for vocabulary required for academic study. Allows students to develop interactive reading skills through a variety of prose and non-prose print materials.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 089 - WRITING - LEVEL I
Introduces the basic format and conventions of an academic essay in American English. Through a process approach, allows non-native speakers of English to begin writing at the paragraph level and expand to a basic five-paragraph essay.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 089 - SPEAKING & LISTENING -LEVEL II
Develops oral fluency and listening comprehension by promoting the ability of non-native speakers of English to exchange abstract information, to set criteria and problem solve, to understand information and ideas presented in academic lectures and to discuss cultural issues in an American academic environment. Includes pronunciation work.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 096 - SPEAKING & LISTENING -LEVEL II
Builds on grammar structures covered in ELP 87. Focuses on verb forms and their use in American English. Also reviews basic American English sentence patterns and introduces complex sentences. Stresses grammatical accuracy and the communicative needs of international learners in the U.S. while completing an academic degree.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 097 - GRAMMAR - LEVEL II
Reviews the basics of English sentence structure introduced in ELP 87 and ELP 97 that often pose problems for non-native speakers of English. Develops grammatical accuracy in spoken discourse but focuses on more complex structures, with emphasis on the different kinds of clauses and rhetorical devices used to communicate effectively in formal, written English.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 098 - READING - LEVEL II
Focuses on improving academic reading skill for international students who plan to attend a US college or university. Introduces students to academic study skills through use of an English-English dictionary and other reference materials available in a university setting.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 099 - WRITING - LEVEL II
Further develops composition skills introduced in ELP 89. Encourages written expression that follows acceptable American English academic logic. Emphasizes the process approach, especially revision and editing, to encourage independent writing. Introduces discourse features such as audience, appropriateness in topic selection, and support and organization based on rhetorical modes.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 106 - SPEAKING & LISTENING LVL III
Develops listening and speaking skills that allow English language learners to be successful in an academic environment. Using authentic materials, develops such skills as listening to lectures and note taking as well as participating in and leading small and large group discussions on academic topics and current events. Includes individualized pronunciation work.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 107 - GRAMMAR - LEVEL III
Reviews the basics of English sentence structure introduced in ELP 87 and ELP 97 that often pose problems for non-native speakers of English. Develops grammatical accuracy in spoken discourse but focuses on more complex structures, with emphasis on the different kinds of clauses and rhetorical devices used to communicate effectively in formal, written English.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 108 - READING - LEVEL III
Focuses on the wide variety of written discourse encountered by students in US colleges and universities and the various reading strategies that non-native speakers can use for effective reading. Requires students to use skills for both intensive and extensive reading of materials in their original, unsimplified form. Develops study skills and academic research skills.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 109 - WRITING - LEVEL III
Refines skills and concepts introduced in ELP 99. Increases the non-native writer’s independence and ability to develop, refine, and edit his/her own work. Covers discourse concepts such as purpose, appropriate support, relevant examples, and appreciation of audience. Requires that students take an active role in the writing process, including peer review and other student-centered activities.
Credits: 3
Course Notes: Consent of ELP Director required

ELP 110 - COMPOSITION-BRIDGE LEVEL
Transitions undergraduate non-native speakers from the English Language Program sequence into the freshman composition program. Introduces students to fundamental skills necessary to write a research paper and continues the process approach introduced in ELP 89-99-109.
Credits: 3
Course Notes: Consent of ELP Director
ELP 111 - COMPOSITION-BRIDGE LEVEL
Further develops and refines composition skills acquired in ELP 89-99-109. Takes an individualized approach to writing, focusing on the needs of non-native speakers as they undertake graduate-level degree work in their academic unit.
Credits: 3
Course Notes: Consent of ELP Director
FILM STUDIES (FILM)

FILM 201 - FUNDAMENTALS OF FILM STUDIES
Americana Film Introduction to film and its American practitioners. Emphasis on basic techniques and vocabulary for analyzing and writing about film and reading film theory. Attention to prominent directors and popular genres—the thriller, Introduction to film and its American practitioners. Emphasis on basic techniques and vocabulary for analyzing and writing about film and reading film theory. Attention to prominent directors and popular genres—the thriller, melodrama, Western, buddy picture, melodrama, Western, buddy picture.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 102

FILM 205 - FILM HISTORY
History of film as an art form in light of its technological, aesthetic, and cultural developments and influence. Particular attention to the correlation between the history of the medium and the larger history of the twentieth and twenty-first centuries.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 102

FILM 215 - BLACK PANTHER AND BEYOND: MILESTONES IN AFRICAN-AMERICAN FILM
The billion-dollar, worldwide success of Ryan Coogler's Black Panther signaled what may be the beginning of a new age of recognition and celebration of filmic depictions that focus on people of African descent. This course will examine milestones in Black film leading up to and including Black Panther, focusing on cultural and artistic merit.
Credits: 3
Attributes: Humanities, Non-western Culture

FILM 221 - INTRODUCTION TO MEDIA PRODUCTION
Course is designed to build core competency in utilizing and expanding communication technology to tell the stories; studying the principles of production in the areas of photography, video, audio, and interactive media. From both practical and theoretical perspectives, students will learn to: 1) analyze media forms (such as design, user interface, composition, framing, lighting, sound and editing) and 2) produce elementary productions that exhibit an understanding of these forms.
Credits: 3
Attributes: Humanities
Prerequisites: FILM 201 or FILM 205

FILM 253 - SCREEN WRITING
Students produce a full-length screenplay in a workshop atmosphere while analyzing the techniques professional screenwriters use to create complex characters, thrilling action, and original plots. Some attention to marketing the screenplay, including the treatment and pitch.
Credits: 3
Attributes: Humanities
Prerequisites: FILM 201 or FILM 205 or CRWR 153

FILM 341 - TOPIC: FILM THEME OR PERIOD
A film seminar that looks closely at cinematic treatment of a particular theme, period, trope, or location.
Credits: 3
Attributes: Humanities
Prerequisites: FILM 201 or FILM 205

FILM 350 - SPECIAL TOPICS IN FILM THEME OR GENRE
Advanced seminars dealing with primary films and theory focused on a particular unifying topic. Recent topics have included 'American Road', 'Philosophy and Film'.
Credits: 3
Attributes: Humanities
Prerequisites: FILM 201 or FILM 205

FILM 360 - SPECIAL TOPICS SEMINAR IN A SINGLE FILMMAKER
A film seminar in the work of a notable auteur in film history.
Credits: 3
Attributes: Humanities
Prerequisites: FILM 201 (may be taken concurrently) or FILM 205 (may be taken concurrently)

FILM 362 - SPECIAL TOPICS SEMINAR IN A SINGLE FILMMAKER
Advanced film seminars that look closely at the work and career of a single auteur in relationship to cultural history or relevant touchstones. Recent topics include Alfred Hitchcock and Charlie Chaplin. For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Attributes: Humanities
Prerequisites: FILM 201 or FILM 205
Course Notes: For more details, please click the highlighted, CRN number for this course, on the specific term schedule.

FILM 395 - INDEPENDENT STUDY
Directed study arranged one-on-one by the student in consultation with a faculty member.
Credits: 3
Attributes: Humanities
Prerequisites: FILM 201 or FILM 205
FIN 099 - FINANCE AND TRADING
This course will study fundamentals of trading in stocks, bonds, futures and other financial instruments. It will use state-of-the-art financial analytics software, BLOOMBERG, to learn about trading and markets. This hands-on basic financial trading literacy course will provide understanding of the complex global financial markets to actively construct portfolios. Uses and abuses of financial trading will be discussed to alert students to pitfalls that lead to financial crisis. At the end of the course a certificate of completion will be presented to those who will successfully complete this accelerated course.
Credits: 0
Course Notes: This course is for high school juniors and seniors with a 3.0 GPA.

FIN 200 - INTRO TO FINANCE
This course introduces students to three different areas of finance viz., Personal Finance, Corporate Finance and Investments. The primary goal is to familiarize students with the importance of financial decision making at the personal level and the corporate level. The topics include, but not limited to role of finance, financial markets, financial statement analysis, time-value concepts, personal investing, managing liquidity, and managing debt.
Credits: 3

FIN 203 - PERSONAL FINANCE
The course will expose students to a set of skills and knowledge of personal finance that will help them better understand various aspects of financial literacy/management and make better financial decisions. Topics may include: credit scores and their management, auto and student loans, identity protection, financing higher education, and income taxes.
Credits: 3
Course Notes: Required for all Business majors other than Transfer. Meets experiential learning requirement under, CORE., May be taken for elective credit by non-Business, majors.

FIN 301 - MONEY AND BANKING
The nature of money and its role in the economy. The supply of and demand for money including the parts played by banks and the central bank. Theories of the effects of central bank policy including the quantity theory, Keynesian theories, and rational expectations. Introduction to the theory of interest. Crosslisted with ECON 210.
Credits: 3
Attributes: Social Science
Prerequisites: ECON 101 and ECON 102 and ENG 102 and (MATH 110 or MATH 116 or MATH 121)

FIN 311 - PRINCIPLES OF FINANCE
Time value of money, capital budgeting, methods of external finance, working capital management, financial statement analysis, cash budgeting, and other finance topics.
Credits: 3
Prerequisites: ACCT 211 and ECON 102 and MATH 110

FIN 312 - CORPORATE FINANCE
This course is required for all finance majors and is intended to provide training in advanced financial concepts including calculation of a firm's cost of capital, cash flow estimation and risk analysis in capital budgeting, asset pricing models, the valuation of debt and equity securities, corporate governance and mergers and acquisitions.
Credits: 3
Prerequisites: FIN 311

FIN 315 - SPEC. TOP. IN RESEARCH METHODS
Credits: 3
Attributes: Honors Program

FIN 321 - INVESTMENTS
The valuation and selection of securities to meet alternative investment objectives; portfolio theory and management.
Credits: 3
Prerequisites: FIN 311 and MATH 110 and (ECON 234 or MATH 217)

FIN 330 - ELEMENTS OF FINANCIAL PLANNING
Individual financial planning from the perspective of the planner and the individual. An introductory course for those interested in exploring the broad area of financial planning. Topics include the planning process, investments, insurance, estate planning, and retirement planning.
Credits: 3
Prerequisites: FIN 311

FIN 352 - FINANCIAL STATEMENT ANALYSIS
Use of financial statements in interpreting financial condition for purposes of internal control or external evaluation. ACCT 304 strongly recommended. Cross-listed with ACCT 352.
Credits: 3
Prerequisites: FIN 311
Course Notes: ACCT 304 recommended.

FIN 354 - INTERNATIONAL FINANCIAL ANALYSIS
Relationship between international forces and institutions and foreign investment decisions. Emphasis on international adaptations in working capital management, foreign exchange risk management, and international banking.
Credits: 3
Attributes: International Perspectus Business
Prerequisites: FIN 311

FIN 365 - PORTFOLIO MGT
PORTFOLIO MGT
Credits: 3

FIN 383 - FINANCIAL MARKETS AND INSTITUTIONS
Financial intermediaries and markets from the perspective of the functioning of the financial system. Theories explaining the existence of intermediaries. Regulation of intermediaries and markets.
Credits: 3
Prerequisites: FIN 301 and FIN 311 and FIN 321

FIN 385 - BUSINESS PROBLEMS IN FINANCE
Cases and problems involving application of financial theory to real world situations.
Credits: 3
Prerequisites: (ECON 234 or MATH 217) and FIN 301 and FIN 311 and FIN 321

FIN 387 - DERIVATIVE SECURITIES
Futures, forward contracts, options, and swaps. The markets for derivatives, pricing theories for derivatives and other securities with embedded derivatives, and the use of derivatives to hedge risks. The pricing of ordinary securities using derivatives.
Credits: 3
Prerequisites: FIN 321

FIN 395 - INDEPENDENT STUDY
Students work under direction of finance department faculty member on projects selected by student and approved by supervising faculty member, department chair, and college dean.
Credits: 1-3
Course Notes: Consent of Instructor and Academic Head
FIN 398 - PROFESSIONAL FINANCE INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to undergraduate business program.
Credits: 1-3
Course Notes: Internship requirements vary by assignment; consent, is required by the instructor.

FIN 399 - THESIS: CCCF FIN HONORS TRACK
This course is an independent study thesis for the CCCF Finance Honors Track.
Credits: 3
Attributes: Honors Program
Course Notes: Students must have successfully completed previous CCCF, Finance Honors Track courses in sequence.
FYS 101 - FIRST YEAR SUCCESS COURSE
First Year Success is a course designed to facilitate students’ integration into the university learning community. The course enhances academic success, increases self-awareness, and fosters educational engagement.
Credits: 1
Course Notes: Freshman only
FRENCH (FREN)

FREN 101 - BEGINNING FRENCH I
Mastery of basic listening, speaking, reading, and writing skills. For beginners.
Credits: 3
Attributes: Humanities

FREN 102 - BEGINNING FRENCH II
Continues the work of FREN 101 in basic listening, speaking, reading, and writing skills in French.
Credits: 3
Attributes: Humanities
Prerequisites: FREN 101
Course Notes: Or equivalent, in consultation with the instructor.
GERMAN (GERM)

GERM 101 - BEGINNING GERMAN I
Mastery of basic listening, speaking, reading, and writing skills. For beginners.
Credits: 3
Attributes: Humanities

GERM 102 - BEGINNING GERMAN II
Continues the work of GERM 101 in basic listening, speaking, reading, and writing skills in German.
Credits: 3
Attributes: Humanities
Prerequisites: GERM 101
Course Notes: Or equivalent, in consultation with the instructor.
HISTORY (HIST)

HIST 106 - THE UNITED STATES TO 1865
This course examines the interaction of Native Americans, Europeans, and Africans from the arrival of the British to the end of the Civil War. It emphasizes the formation and evolution of political, economic, social, and religious institutions, and their role in the transformation of everyday life. The course also introduces students to the analysis of historical documents.
Credits: 3
Attributes: Humanities, Social Science

HIST 107 - THE UNITED STATES SINCE 1865
This course examines the construction of modern America and an American identity from the age of Reconstruction and the second industrial revolution to the present. It emphasizes the maturation of political, economic, social and religious institutions and their role in the transformation of everyday life. The course also introduces students to the analysis of historical documents.
Credits: 3
Attributes: Humanities, Social Science

HIST 110 - TOPICS IN IDEAS I
This course will explore enduring ideas, themes or questions, such as changing concepts of identity and selfhood articulated by major figures in Western and non-Western literature and philosophy from antiquity to modernity. It will emphasize the diversity of the human experience through idea-centered dialogue, close analysis of primary texts, and analytical methods characteristic of learning in the liberal arts tradition.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: ENG 101

HIST 111 - THE WORLD TO 1500
World history from the beginnings of civilizations to the age of discovery, covering several major regions of the world: Southwest Asia, East and South Asia, Europe, Africa, and the Americas. Comparison of the civilizations in these regions and contacts between them. Emphasis on social organization, ideas, technologies, and culture.
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture, Social Science
Prerequisites: ENG 101

HIST 112 - THE WORLD SINCE 1500
This introductory level course takes a global approach to understanding the modern period, 1492 to the present. Readings and lectures will particularly privilege connections between and among Africans, Americans, Asians, and Europeans. Particular events and processes are emphasized, including the ‘discovery’ of the Americas, the advent of plantation slavery, the scientific and industrial revolutions, imperialism, the rise of global trade, the birth of nationalism, World Wars i and II, the Cold War, and decolonization struggles.
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture, Social Science

HIST 221 - WORK & PLAY IN CHICAGO HISTORY
This course explores the spatial and historical dimensions of Chicago as a workplace and site of leisure. In particular, it considers how space and place shaped class solidarity, class conflict and cross-class collaboration during a period of intense industrialization, urbanization and immigration from the late 19th through the first decades of the 20th century. Visiting sites such as Pullman Town, Hull House, along with playgrounds and parks will allow us to discover how the forces of modernity combined with individual agency to define new parameters for work and play in the growing metropolis of Chicago.
Credits: 3
Attributes: Humanities, Social Science
Course Notes: Required off-campus field trips during class; sites accessible by walking or public transit.

HIST 223 - HISTORY OF AMERICAN BUSINESS
A survey of American business history from colonial times to the present with an emphasis on the transformation of American capitalism. The course will consider the nature of a colonial economy based on trade; the economics of slavery; industrialization; entrepreneurialism; the rise of big business; and the relationship between government, business and the economy over time. Throughout, the course will probe the intersection of class, race and gender with American business.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: ENG 102
Course Notes: Sophomore standing.

HIST 226 - LIVES AND TIMES OF FRANKLIN DELANO AND ELEANOR ROOSEVELT
This course focuses on the lives of two extraordinary individuals, for whom our university is named: Franklin and Eleanor Roosevelt. Born in the late nineteenth-century, they came of age during a period of intense reform in the 1910s as the Victorian world gave way to modern America. By the 1930s, they occupied the White House where they guided the nation through two major crises: the Great Depression and World War Two. In addition to an examination of their biographies, the course probes their ideas, marriage, politics, leadership qualities and relationship to the times in which they lived, especially the years of the Great Depression and World War Two.
Credits: 3
Attributes: Humanities, Social Science
Course Notes: Sophomore standing.

HIST 228 - AFRICAN-AMERICAN HISTORY: 1619-1877
Evolution of slavery as a social and economic institution and role of free African Americans in American society up to and during Reconstruction. See Afs 228.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: ENG 102
Course Notes: Sophomore standing

HIST 229 - AFRICAN-AMERICAN HISTORY: 1877-PRESENT
Survey of the African-American experience in America with attention to culture and participation in widespread social and political movements. See Afs 229.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: ENG 102
Course Notes: Sophomore standing
HIST 233 - AMERICAN CIVIL RIGHTS
This course will interrogate the definitions, chronology, and locations of the civil rights movement in American history.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: ENG 102
Course Notes: Sophomore standing

HIST 234 - RACE & SEX IN JAMESTOWN
Traces the origins of slavery in mainland North America by closely examining the history and legacy of the first English colony. Considers relations between Native Americans and English, conceptions of sex, gender, and race, and the impact of slavery on the American Revolution.
Credits: 1.3
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: ENG 102

HIST 240 - INTRODUCTION TO AFRICA
Africa from the development of human civilization; migration; formation of kingdoms and territorial states; spread of Islam and Christianity; and intracontinental and intercontinental trading networks. See Afs 240.
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture, Social Science
Course Notes: Sophomore standing

HIST 250 - LIVES, MEMORIES, STORIES, HISTORY
This course will introduce students to the practice of oral history, one of the most important means of preserving and celebrating the memory and history of individuals too often overlooked in the history books. Once considered a problematic, unreliable means of documenting the past, oral histories are now used extensively by those in the field of history. Moreover, scholars rely on oral history to give voice to those whose lives are not represented in conventional archives, including women, African Americans, rural dwellers, laborers, immigrants, colonized people, gays and lesbians, and other disadvantaged groups. The goal of the course is to help students in the preparation, execution, evaluation and interpretation of oral history interviews.
Credits: 3
Attributes: Grounds for Change, Humanities, Social Science
Prerequisites: ENG 102

HIST 280 - TOPICS IN HISTORIOGRAPHY AND METHODOLOGY
Introduction to historiography and methodology of a specific topic; the nature of interpretation and various schools of thought on the topic. Experience in reading and interpreting primary sources, such as written documents, photographs, oral history, and quantitative data. Please click highlighted CRN for a more detailed description of this course.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: ENG 102

HIST 301 - HISTORY OF PUBLIC HEALTH
This course will explore the ways in which changing scientific and philosophic definitions of health and disease have framed population health concerns, such as quarantine, occupational safety, maternal health, epidemiology, and fears of contagion, both real and imagined. By focusing on the intersection of health, politics, and ideas of gender, race, class, and ethnicity, this course will adopt a comparative approach and emphasize the relationship between social context and transformations in public health practice and policy in contexts ranging from ancient Rome to twentieth-century Chicago.
Credits: 3
Attributes: Humanities, International Studies, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-

HIST 302 - RENAISSANCE & REFORMATION
Society, economics, ideas, and politics in Western European from mid-13th century to 17th-century religious wars.
Credits: 3
Attributes: Humanities, International Studies, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-

HIST 303 - IMMIGRATION, ETHNICITY, AND THE AMERICAN EXPERIENCE
Examination of changing trends in immigration, assimilation efforts, and immigration politics and policies.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-

HIST 305 - COLONIAL AND POST-COLONIAL EUROPE
An examination of the European colonial system as a cultural and social expression of and response to imperialism in the modern era from the 18th century through its collapse after WWII. Topics include European conquest and exploitation of Africa and the Middle East; relationships of power, race, and gender; the breakdown of 19th-century models of colonialism; and the legacy of European dominance on former colonies. Emphasis on visual representations and historical biographies.
Credits: 3
Attributes: Humanities, International Studies, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-

HIST 307 - HISTORY OF CHICAGO
Growth of the city and suburbs; land use and economy; changing ethnic and social components; politics and culture.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.
HIST 308 - WOMEN & THE RUSSIAN REVOLUTION
This course will examine women’s struggle to expand their public role and legal rights in Russia in the half century prior to the Bolshevik Revolution in 1917. Key topics include: women’s participation in organized revolutionary movements; challenges to everyday meanings of gender, marriage, motherhood, and sexuality; and contributions to the eventual overthrow of the tsarist regime.
Credits: 3
Attributes: Humanities, International Studies, Social Science, Women Gender Studies
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of C-.

HIST 310 - EUROPE FROM ABSOLUTISM - REVOLUTION
Absolutism and the Scientific Revolution; social and cultural trends; and the growth of European overseas empires.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of C-.

HIST 311 - SOCIETY AND CULTURE OF MEDIEVAL EUROPE
Social, cultural, and political institutions in Western Europe from later Roman Empire to mid-13th century.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of C-.

HIST 312 - TOPICS: NEWBERRY SEMINAR
An intensive interdisciplinary six-credit seminar held at the Newberry Library with students from DePaul, Loyola, UIC and Roosevelt. Drawing on the Newberry’s vast archival and book collection and on recent and established scholarship, the course focuses on an annual topic selected by two professors. Enrollment is limited to five Roosevelt students chosen by Roosevelt’s Newberry Library liaison. Course meets twice a week for three hour sessions.
Credits: 6
Attributes: Humanities, Non-western Culture, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: Click on CRN for course description., One 3 credit hour course in history with a minimum grade of C-.

HIST 313 - SLAVERY, RACE, AND THE LAW
This course will explore the interaction of slavery, race, and the law in the United States from colonial times to the present day. Politics, economics, culture, and the law all played a role in shaping the institution of slavery as well as modern conceptions of race. The course readings will include both secondary works and original documents, including excerpts of trial transcripts, Supreme Court decisions, state legal codes, and first person narratives. We will focus on a number of larger issues, such as the role legal codes played in creating racial identities, how race shaped notions of citizenship, and how slavery influenced the Constitution.
Credits: 3
Prerequisites: 3 Credit Hours of History or POS 101
Course Notes: or consent.

HIST 314 - POLITICS & CULTURE IN AMERICAN REVOLUTION
This course will introduce students to the major ideas and events in American history from 1763 to 1800 that spurred political, cultural, and social change. We will examine the political theories that inspired Revolutionary calls for independence and the government created in its aftermath. We will also, however, consider the Revolution and its aftermath from the perspective of ordinary people, including artisans, laborers, slaves, free blacks, and women.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of C-.

HIST 315 - COLONIAL LATIN AMERICA
This course analyzes the history of Latin America from pre-Hispanic times to the revolutions of Independence. Readings will focus on political, social and cultural historical processes, including the following topics: Amerindian societies, conquest, colonization, empire, the Atlantic World, frontiers, environmental changes, gender, race & ethnicity, slavery, administration and corruption.
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of C-.

HIST 316 - LATIN AMERICA SINCE INDEPENDENCE
Socioeconomic structures, law and politics, ideologies, growth and distribution of power and resources, religious culture, reform and revolution from independence to present.
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of C-.

HIST 319 - THE WORLD TURNED UPSIDE DOWN: HAMILTON’S AMERICA
This course explores the political changes leading to the American Revolution along with the intellectual, cultural and social revolutions that occurred during the eighteenth century. Family relations, consumer behavior, even the way people spoke—all underwent profound transformations. While the American Revolution gave birth to a new political order, these other revolutions gave birth to a new way of being in the world, one that continues to shape our lives.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of C-.

HIST 323 - URBAN VISION: CITIES AND SUBURBS
Cultural and social history of US cities from colonial small town to 21st-century megalopolis. Focus on environment, politics, immigration, race and ethnicity, work, family life, reform, mass culture, and suburbanization.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of C-.
HIST 326 - TOPICS IN AMERICAN SOCIAL HISTORY
Thematic topics in American social history, including courses focused on gender, race, region, and/or class. Please click highlighted CRN for a more detailed description of this course.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.

HIST 327 - WORKING MEN & WORKING WOMEN
Development of labor organizations from 1840 to present and changing lifestyle of the laboring population.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: or advisor consent., One 3 credit hour course in history with a minimum grade of, C-.

HIST 330 - CONQUEST, COLONIZATION, AND RESISTANCE IN EARLY AMERICA
This course examines the interaction of Native Americans, Europeans, and Africans in North America from initial contact through the Revolutionary War in the United States. It will emphasize cultural, political, and economic exchange, adaptation and resistance to colonization, and issues of race, ethnicity, gender, and nationalism.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.

HIST 333 - HISTORY & MEMORY OF THE CIVIL WAR
This course explores the history and political and cultural memory of the Civil War. Among the subjects to be examined include the commemoration of the dead, the place of slavery in the memory of the Civil War, debates over the teaching of the Civil War, the role of the Confederate flag and the lost cause, changing perceptions of notable figures, and the experiences and reminiscences of regular soldiers and citizens.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.

HIST 337 - HISTORY OF UNITED STATES REFORM MOVEMENTS
Analysis of reform movements, including abolitionism, populism, progressivism, New Deal, the 1960s, and recent reform movements.
Credits: 3
Attributes: Humanities, Social Justice Studies, Social Science, Women Gender Studies
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.

HIST 341 - TOPICS IN EUROPEAN HISTORY
Topics may include class formations and divisions, intellectual currents, nationalism, unification, and revolutionary upheavals. Please click the highlighted CRN for a more detailed description of this course.
Credits: 1-3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.

HIST 342 - TOPICS IN WORLD HISTORY
Asian, African, and Latin American studies; topics may include global linkages. Please click the highlighted CRN for a more detailed description of this course.
Credits: 3
Attributes: Humanities, International Studies, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.

HIST 347 - REBELS, WITCHES, AND MONARCHS IN EARLY MODERN ENGLAND
This course will explore the history of England from the accession of Henry VII in 1485 to the so-called “Glorious Revolution” at the end of the seventeenth century. In seeking to understand the emergence of the English nation, the clash between royal and parliamentary authority, and the relationship between gender and power, we will give particular attention to the vivid personalities of English rulers and the impact of their policies on religious, social, and political life throughout the British Isles. Assigned readings will focus on the intersections between religion, rebellion, and revolution in the sixteenth and seventeenth centuries, and the ways in which ordinary Englishmen and women experienced the dynastic crises and upheaval of the period that launched England from peripheral European state to one of the wealthiest and most powerful nations of the modern era.
Credits: 3
Attributes: Humanities, International Studies, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-. No additional credit granted for TUDOR/STUART ENGLAND

HIST 348 - SOCIAL & CULTURAL HISTORY OF MEDICINE 1500-PRESENT
This course will explore the social and cultural history of medicine in urban settings from the fifteenth century to the present and the ways in which urban culture shaped the development of the modern medicine and its practitioners. This course assumes no special technical knowledge of the biomedical sciences.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.

HIST 352 - MAKING MODERN AMERICA 1880-1929
Explores American politics, culture, society and economics from the end of Reconstruction through the 1910s, a period of intense industrialization, immigration, and urbanization. Recognizing the contested nature of race and gender in this era of substantial wealth inequality reframes traditional narratives of the second industrial revolution, partisan politics, class warfare, consumerism, imperialism and reform as the U.S. made its bumpy transition from the Victorian to modern era.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.
HIST 353 - BOOM & BUST AMERICA  
Probes the transition of the U.S. from the roaring 20s to the Great Depression of the 1930s, with an emphasis on political culture and social movements. Considers the causes and consequences of a boom and bust America in which many began to question both the compatibility and viability of democracy and capitalism. 
Credits: 3  
Attributes: Humanities, Social Science  
Prerequisites: 3 Credit Hours of History  
Course Notes: Formerly taught as HIST 353: America Transformed: 1929-1945. One 3 credit hour course in history with a minimum grade of, C-.  

HIST 354 - HISTORY & MEMORY OF WORLD WAR TWO IN THE UNITED STATES AND EUROPE  
This course considers the Second World War from the perspective of ordinary people, victims of oppression, resisters, collaborators, common soldiers as well as political and military leaders. It also examines the collective memory of the war—how it was and is remembered in Europe and the United States in film and popular culture. The course includes a two-week study abroad trip to Europe. 
Credits: 6  
Attributes: Humanities, International Studies, Social Science, Travel Based Study  
Prerequisites: 3 Credit Hours of History  
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.  

HIST 355 - UNDERGRADUATE SEMINAR  
Historiographical exploration and research of a select and significant topic. 
Credits: 3  
Attributes: Humanities, Social Science  
Prerequisites: 3 Credit Hours of History  
Course Notes: OR consent of instructor, One 3 credit hour course in history with a minimum grade of, C-.  

HIST 356 - SOCIETY AND CULTURE IN THE ANTEBELLUM ERA  
Emergence and development of a new government under the Constitution of 1787. Political re-formation from the election of Andrew Jackson to the election of Lincoln; Jacksonian Democracy; importance of slave labor and wage labor as cores of the market economy; religious-based reform; countervailing influences of nationalism and sectionalism. 
Credits: 3  
Attributes: Humanities, Social Science  
Prerequisites: 3 Credit Hours of History  
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.  

HIST 357 - THE POLITICS AND CULTURE OF COLD WAR AMERICA  
Explores the politics and culture of the U.S. from the end of WWII to the end of the Cold War in the late 1980s. From the policy of containment to the proliferation of theme parks such as Disneyland, the course examines the individuals, events, ideologies and forces that shaped Cold War America. 
Credits: 3  
Attributes: Humanities, Social Science  
Prerequisites: 3 Credit Hours of History  
Course Notes: One 3 credit hour course in history with a minimum grade of, C-, No additional credit for HIST 357 as United States History, since 1945  

HIST 357 - COLLAPSE OF POST WAR POL ORDER  
Following World War II, the United States experienced a period of unprecedented economic expansion, unrivalled world power, and a political consensus that American-style liberalism was leading the nation into an era of peace and prosperity. By the 1960s, the country faced challenges to these optimistic assumptions. Attacks from the left and the right left the post-war liberal consensus in tatters and eventually led to a resurgent conservative movement. 
Credits: 3  
Attributes: Humanities, Social Science  
Prerequisites: POS 101 and ENG 102  
Course Notes: One course in history needed if POS 101 was not taken.  

HIST 383 - WOMEN, GENDER, AND POWER IN UNITED STATES HISTORY  
This course, while providing a broad survey of women's experiences in the US since the Revolutionary era, will focus in on events, people, and issues that help illuminate how gender has been defined, contested, and lived. Through close readings of primary and secondary sources, we will engage with questions of power, critically examining the intersections of gender, race, sexuality, and other markers of identity and difference. 
Credits: 3  
Attributes: Humanities, Social Science, Women Gender Studies  
Prerequisites: 3 Credit Hours of History  
Course Notes: or instructor consent, One 3 credit hour course in history with a minimum grade of, C-.  

HIST 384 - INTERNSHIP IN HISTORY  
Internship with a local organization involving a significant history component. An internship requires working the equivalent of 8 hours/week (10 hours summer) for a total of at least 120 hours at the site of the selected organization. The student will keep a journal or log of weekly work and write a final paper that reflects upon the organization and its relationship to the history community or a particular historical subject related to his/her work. Offered in conjunction with faculty advisor, by faculty consent, and requires an advanced signed contract. 
Credits: 3  
Attributes: Humanities, Social Science  
Course Notes: Consent from advisor.  

HIST 386 - TOPICS IN HISTORY OUTSIDE THE CLASSROOM  
Students step outside the classroom to experience history as it is practiced and lived. Through active, hands-on learning, students apply historical skills and methods to uncover, preserve, disseminate, and/or utilize history for a wide variety of purposes and audiences. Potential projects may include researching and mounting a historical exhibit; assisting archivists in collecting and organizing materials; conducting oral histories; building primary source databases; or mapping historical topics. 
Credits: 3  
Attributes: Humanities, Social Science  
Prerequisites: 3 Credit Hours of History  
Course Notes: One 3 credit hour course in history with a minimum grade of, C-. Students will be required to work on, projects off campus. Details on this off-campus, work will be specific to the topic being taught.
HIST 391 - HISTORY OF MEXICO
Social, economic, political and cultural development of Mexican society from its pre-Hispanic roots through Spanish conquest; independence movements; the Revolution; evolution into modern Mexican society.
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture, Social Science
Prerequisites: 3 Credit Hours of History
Course Notes: One 3 credit hour course in history with a minimum grade of, C-.

HIST 395 - INDEPENDENT STUDY
Independent course requiring faculty consent.
Credits: 1-6
Attributes: Humanities, Social Science
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**HON 101 - FIRST YEAR SUCCESS (HON)**
First Year Success (Honors) is a course designed to facilitate students' integration into the university learning community and the RU Honors Program. The course enhances academic success, increases self-awareness, and fosters educational engagement. This Honors course focuses on introducing and integrating important academic and professional skills essential to succeed in the Honors Program at Roosevelt.

- **Credits:** 3
- **Attributes:** Honors Program
- **Course Notes:** Membership in Roosevelt Honors Program required., Freshman only.

**HON 311 - HONORS COLLABORATIVE**
This seminar focuses on developing Honors' students' academic and professional skills for continued success and leadership development in the Honors Program and at Roosevelt. As a developmental course intended to serve students who are sophomores through seniors, its content may vary from term to term, and attend to ongoing learning and expectations of Honors students. It expects students to evaluate and revise, based on course learning, the scope and sequence of their current Honors experiences as it relates to academic and professional excellence, and to set appropriate goals as a result.

- **Credits:** 1-3
- **Attributes:** Honors Program
- **Course Notes:** Membership in Honors Program required., Previously offered as 'HONORS PRO-SEMINAR'

**HON 312 - HONORS BOOK COLLOQUIUM**
This colloquium is a group book study, revolving around a main common text that we will analyze and discuss with rigor and attention to the text's relevance to students' educational paths and our contemporary world. The purpose of this colloquium is for Honors students to develop, practice, and master habits of seminar leadership; collegial dialogue with peers, faculty, and guests; textual analysis and application; and engagement with current civic, cultural, and social issues through the lens of a text. Honors Book Colloquium is designed to help Honors students become skilled junior scholars prepared for the rigors of Honors coursework, graduate school, and careers.

- **Credits:** 1
- **Attributes:** Honors Program

**HON 390 - TOPICS IN HONORS**
Seminar in the Honors Program on a range of topics relevant to Honors students across majors.

- **Credits:** 3
- **Attributes:** Honors Program
- **Course Notes:** Membership in Honors Program required. B- required, to earn Honors credit. Access course topic by clicking the, CRN.

**HON 398 - HONORS RESEARCH PRO-SEMINAR**
Research seminar required for students 1 or 2 semesters prior to enrolling in HON 399: Honors Senior Thesis. Focus on developing and improving research skills. Specific content topics will vary from term to term, and attend to ongoing learning, expectations, and research goals of Honors students.

- **Credits:** 1
- **Attributes:** Honors Program, Humanities
- **Course Notes:** Required for all Honors students 1 or 2 semesters prior to enrollment in HON 399: Honors Senior Thesis.

**HON 399 - HONORS SENIOR THESIS**
Research capstone project for Honors Program students.

- **Credits:** 1-3
- **Attributes:** Honors Program
- **Prerequisites:** HON 398
- **Course Notes:** Membership in Honors Program required.
**HOSPITALITY MANAGEMENT (HOSM)**

**HOSM 200 - FINANCIAL ACCOUNTING FOR THE HOSPITALITY INDUSTRY**
Principles of financial accounting applied to lodging and food and beverage operations, including concepts, practices, and the preparation and analysis of hospitality financial statements. Basic hospitality benchmarks of ADR, RevPar, occupancy.
Credits: 3
Prerequisites: MATH 095
Course Notes: or RUA placement

**HOSM 201 - INTRODUCTION TO THE HOSPITALITY INDUSTRY**
Introduction to the management of hospitality operations including history, growth and development, organizational structure, operations, sales and marketing, accounting and finance, and the fundamental role of guest services for hotels, restaurants, casinos, clubs, recreation, travel and tourism.
Credits: 3
Prerequisites: HOSM 201 (may be taken concurrently)

**HOSM 205 - HOSPITALITY MANAGEMENT SUPERVISION & ENTREPRENEURSHIP**
This course provides the fundamental principles of business plan development, with areas focusing on financial management, menu mechanics, employee training and retention and staffing.
Credits: 3
Prerequisites: HOSM 201

**HOSM 208 - SOUNDS OF SUMMER:CHICAGO FESTIVALS, THEIR PLANNERS, PARTICIPANTS, AND SOUNDTRACKS**
Course covers who plans summer festivals, their origins, festivals as identity, ideology and political conveyers. Examines summer festivals as revealers of cultural identity, class identity, demographic trends, and as nostalgia. Course features site visits to Chicago summer festivals.
Credits: 3
Course Notes: Class field trips meet off-campus in Chicago accessible, via public transit.

**HOSM 210 - FRONT OFFICE MANAGEMENT**
Effective principles and techniques of front office operations. The flow of reservations through collection and accounting, Revenue enhancement, room inventory management, guest and city ledger, forecasting, global reservation, LEEDS building certification, PHS systems, handling guest complaints, sustainability issues, and loss inventory and revenue management.
Credits: 3
Prerequisites: HOSM 201 (may be taken concurrently)

**HOSM 211 - HUMAN RESOURCE MANAGEMENT IN THE HOSPITALITY INDUSTRY**
Skills and techniques in recruiting, interviewing, supervising, staffing, and scheduling; emphasis on effective training, incentive systems, and the relationship between organizational structure and behavior.
Credits: 3
Prerequisites: HOSM 201 (may be taken concurrently)
Course Notes: or concurrently

**HOSM 211R - HUMAN RESOURCE MANAGEMENT**
Course covers who plans summer festivals, their origins, festivals as identity, ideology and political conveyers. Examines summer festivals as revealers of cultural identity, class identity, demographic trends, and as nostalgia. Course features site visits to Chicago summer festivals.
Credits: 3
Course Notes: Class field trips meet off-campus in Chicago accessible, via public transit.

**HOSM 213 - HUMAN RESOURCES MANAGEMENT**
Principles of financial accounting applied to lodging and food and beverage operations, including concepts, practices, and the preparation and analysis of hospitality financial statements. Basic hospitality benchmarks of ADR, RevPar, occupancy.
Credits: 3
Prerequisites: MATH 095
Course Notes: or RUA placement

**HOSM 230 - FOOD AND BEVERAGE MANAGEMENT**
Credits: 3
Prerequisites: HOSM 201 (may be taken concurrently)
Course Notes: or concurrently

**HOSM 231 - INTRODUCTION TO MEETING AND EVENT MANAGEMENT**
Corporate and association meetings, conventions, and trade and consumer shows in historical, operational, and economic perspective. The role of meeting planners within their organizations and their relationships to industry suppliers. Career opportunities introduced by industry professionals.
Credits: 3
Prerequisites: HOSM 201 (may be taken concurrently)
Course Notes: Min grade C for Mtg/Event Credential courses.

**HOSM 250 - HOSPITALITY SALES**
Hospitality products, sales techniques, markets, consumers, and sales strategies including social media platforms. The role of marketing and its relationship to sales; sales as a career; the challenges of hospitality sales.
Credits: 3
Prerequisites: HOSM 201 (may be taken concurrently)

**HOSM 250R - LODGING MGR**
This course presents a systematic approach to front office procedures, detailing the flow of business through a hotel, beginning with the reservation process and ending with billing and collection procedures within the context of the overall operation of a hotel. This class will cover, but is not limited to, examining front office management, staffing the lodging operation, sales and marketing, housekeeping and maintenance, food and beverage in the lodging business, the process of handling complaints and concerns regarding hotel safety and security.
Credits: 3

**HOSM 275 - HOSPITALITY LAW**
Legal environment of the hospitality industry as it relates to the effective management of risk and prevention of loss. Topics include types of law, contracts, agency, employer/employee relationships, liability, and specific applications to lodging, food and beverage, and meeting, convention, and exposition management.
Credits: 3
Prerequisites: HOSM 201 (may be taken concurrently)
Course Notes: or concurrently

**HOSM 275R - MENU MANAGEMENT**
Students undertake a total analysis of the menu from its origin to its present status. Menu concept, design, marketing, and costing will be discussed; then students will organize and evaluate data so that a menu will be designed. Students will learn and design a variety of menus that will encompass many aspects of the food service industry.
Credits: 3

**HOSM 287 - RESTAURANT OPERATIONS MANAGEMENT**
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Credits: 3
HOSM 290 - THE ART OF RESEARCH, DATA AND ANALYSIS IN HOSPITALITY AND TOURISM
Introduction to basic research methods and applications most useful to the hospitality professional; analysis of the methods of problem identification, formulation and solution.
Credits: 3
Prerequisites: HOSM 201

HOSM 290R - GUEST SERVICES
This class will provide students with practical knowledge and skills of customer service in restaurant and hospitality related businesses. Knowledge and appreciation of the relationship between front-of-house and back-of-house is emphasized through operation of an actual food service environment. Quality of service is emphasized through management of the guest experience. Students will also learn to serve customers and handle complaints in a variety of settings. A focus will be placed on restaurant operations, which consists of dining room set-up, breakdown, the manner of presenting food and beverages (including alcoholic and non-alcoholic) and checks to a guest in a variety of styles in a variety of positions from waiter to manager of the dining room. Restaurant management comprises planning, organizing, staffing, leading or directing, and controlling an organization for the purpose of accomplishing a goal. This course will cover the fundamentals of both these areas.
Credits: 3

HOSM 300 - OPERATIONS ANALYSIS FOR THE HOSPITALITY INDUSTRY
Applied basic accounting and methods of financial analysis are covered to familiarize the student with decisions hospitality managers use to successfully monitor daily business operations. Key operational, managerial and financial rations are covered. Students learn how to analyze three key financial statements: the balance sheet, income statement and statement of cash flows.
Credits: 3
Course Notes: or RUA placement, Minimum C grade required

HOSM 302 - HOTEL OPERATIONS
Managerial perspective in hotel operations; coordination, communication, and record keeping; effective external relationships with the media and with labor unions.
Credits: 3
Course Notes: 12 sem hours in HOSM or consent.

HOSM 303 - HOTEL DEVELOPMENT AND OPENING
The development of a hotel from concept to actual operation. Site selection, feasibility studies, and strategic planning. Staffing the property, the role of the pre-opening office, consumer advertising, and public relations.
Credits: 3
Course Notes: 12SH in HOSM or consent

HOSM 304 - FACILITIES MANAGEMENT & ENGINEERING
Engineering and maintenance needs of the lodging, food and beverage industry; building environment and rehabilitation; mechanical and electrical equipment; utilities and energy conservation management.
Credits: 3
Prerequisites: HOSM 210
Course Notes: 12SH in HOSM or consent.

HOSM 311 - ORGANIZATIONAL DEVELOPMENT FOR HOSPITALITY
Sociological and psychological views of organizations, management and leadership ideology; group dynamics & self-assessment tools. Product development and service focus. The impact of social movements and government initiatives on organization practices. Includes service learning component.
Credits: 3
Prerequisites: ENG 102
Course Notes: 12SH HOSM or consent, Minimum C grade required.

HOSM 312 - GREEN MEETINGS MANAGEMENT
An in-depth look at the principles and methodology behind developing green, carbon-neutral and sustainable meetings and events. Students will learn how to partner with eco-friendly venues, methods to reduce, reuse and recycle meetings and event materials, how to educate and engage attendees, examine trade shows' and exhibitions' carbon footprint, planning and ordering appropriate food and beverage choices, and methods to measure their green meeting success.
Credits: 1
Prerequisites: HOSM 231
Course Notes: Min grade C for Mtg/Event Credential courses.

HOSM 315 - APPLICATIONS & TECHNIQUES OF MEETING & EVENT MANAGEMENT
Tools needed to plan and manage successful meetings and events. Functions of meeting and event planning as defined by the Convention Industry Council are covered.
Credits: 3
Prerequisites: HOSM 231
Course Notes: Min grade C for Mtg/Event Credential courses.

HOSM 317 - ISSUES & TRENDS IN MEETING & EVENT MANAGEMENT
Topics include marketing conventions, trade shows, and special events; legal issues for meetings and conventions; contract negotiations; adult learning; program design and evaluation; food and beverage trends for successful conventions; technological trends.
Credits: 3
Prerequisites: HOSM 315
Course Notes: Min grade C for Mtg/Event Credential courses.

HOSM 319 - HOSPITALITY FACILITIES MARKETING, SALES, AND SERVICE
An in-depth look at the principles, trends and practices of venue marketing, sales and service management as related to meetings and events. Use of technology to organize sales, build customer relationships and communicate meeting and event details; internal department relationships to the meeting and event function; service manager’s relationship to outside vendors such as audio-visual companies, destination marketing and management companies are considered.
Credits: 3
Prerequisites: HOSM 231
Course Notes: Min grade C for Mtg/Event Credential courses.

HOSM 320 - HOSPITALITY AND RESTAURANT MANAGEMENT
This course is an advanced class in hospitality and restaurant management that is based on the concepts acquired in previous hospitality classes. Students apply and integrate weekly lessons with case study applications. Students study the food service industry both past and present, its diversity, segments, and the current forces of change acting upon it. Case studies focus on concepts such as business development, growth, financial, brand and revenue development strategies. Synthesis of the knowledge gained are demonstrated with a final hospitality management project.
Credits: 3
HOSM 321 - MANAGING TOURISM, FESTS, EVENTS, & MORE
An introductory course in tourism administration using the city of Chicago as the laboratory describing how government agencies and non-governmental agencies work with the private sector to produce a spectrum of tourism destination events that bring tourists to hotels, restaurants and retail establishments; utilizing public and private transportation and other amenities. Facts and figures, organizations, sustainability concerns and operations that comprise tourism administration are studied. Prerequisites: None
Credits: 3

HOSM 322 - HUMAN RESOURCE HOSPITALITY
This course is designed to teach the necessary skills for proper recruiting, staffing, training, and management of employees at various levels. The course will help prepare the student for the transition from employee to supervisor. Additionally, it will help the student evaluate styles of leadership, and develop skills in human relations and personnel management.
Credits: 3

HOSM 323 - EXHIBITION MANAGEMENT
History and development of the exhibition industry; activities of its key participants, including exhibitors, attendees, and support organizations. Selecting sites, budgeting, negotiating, registering, scheduling, and promoting exhibitions. Exhibition design and labor management. (9)
Prerequisites: HOSM 231 (may be taken concurrently)
Course Notes: Min grade C for Mtg/Event Credential courses.

HOSM 324 - SPECIAL EVENTS
Event research, design, planning, execution and evaluation including site selection, entertainment, catering, pyrotechnics, equipment and rental, props, floral décor and lighting. Buyers of and markets for special events.
Prerequisites: HOSM 231

HOSM 325 - INTERNATIONAL TOURISM
The roles of international public and private sector organizations and associations, educational and research institutions, and transnational and local corporations. Comparisons of different national tourism strategies. The sociocultural, economic, and environmental impacts in industrialized and Third World countries. The implications of broad global trends and issues on tourism.
Credits: 3
Prerequisites: HOSM 201
Course Notes: 12SH in HOSM or consent

HOSM 326 - URBAN TOURISM ADMINISTRATION
Tourism-related decisions in the context of competing community, corporate, and political interests. The social, cultural, economic, and environmental impact of tourism on cities. The global and competitive nature of tourism and the cooperative-competitive tensions between organizations at the local, state, national, and international levels. Chicago is studied as a specific case.
Credits: 3
Prerequisites: HOSM 201
Course Notes: 12SH in HOSM or consent.

HOSM 326R - HUMAN RESOURCE HOSPITALITY
This course is designed to teach the necessary skills for proper recruiting, staffing, training, and management of employees at various levels. The course will help prepare the student for the transition from employee to supervisor. Additionally, it will help the student evaluate styles of leadership, and develop skills in human relations and personnel management.
Credits: 3

HOSM 327 - TOURISM & HOSPITALITY INDUSTRY
The social and psychological dimensions of travel; market demand; feasibility analysis of destination development; planning processes; finance; and personal requirements. Economic role and impact of tourism nationally and internationally. Retail travel agency management and tour wholesaling.
Credits: 3
Prerequisites: HOSM 201
Course Notes: 6 SH in HOSM

HOSM 328 - DESTINATION MARKETING
Role of marketing and sales skills of destination marketing organizations, tourism bureaus, and Convention and Visitors Bureaus in attracting tourists, business, conventions and meeting to a location. Relationship to local, regional or national government, bureau structure, staffing and governance of these organizations. Exploring careers in this sector of the hospitality industry.
Credits: 3
Prerequisites: HOSM 201
Course Notes: 12 Hours in HOSM or consent

HOSM 329 - DESTINATION CHICAGO: MANAGING GROUP TOURS
Students will become familiar with key Chicago facilities, transportation and talent/entertainment companies as well as how to organize private group tours of city attractions. Using Chicago as our laboratory, this course will explore the role of the privately owned destination management company in the Meetings and Events industry. Different from the Convention and Visitors Bureaus, these companies are hired by planners as experts in a particular city and negotiate, arrange and facilitate tours, special events, transportation, dine-arounds and other activities for the conference/group attendee. The course will study the DMC corporate structure, marketing and client relations.
Credits: 3

HOSM 330 - FOOD & BEVERAGE CONTROLS
Management of resources in food and beverage operations. Planning and budgeting, establishing standards, and monitoring performance. Techniques for labor planning, scheduling, and staffing. Production controls, such as standard recipes, portion sizes, and methods.
Credits: 3
Prerequisites: HOSM 230
Course Notes: or consent

HOSM 330R - PURCHASING AND COST
This course covers the principles of the purchasing and inventory process from the qualification and job duties of the purchaser, to the ethical considerations related to purchasing, to the selection of a supplier, various purchasing guides, quality standards, and inventory control and management. It also covers industry buyer’s guides for meat, poultry, seafood, and primary supplier. Students will complete hands-on modules in inventory, receiving, ordering, and costing out. This course also covers the principles of controlling foodservice costs from the definition of cost control, to using standardized recipes, to determining standard portion costs, selling prices, purchasing, receiving, storage, issuing, production, service, sales, and labor costs.
Credits: 3
HOSM 330RM - MARKETING MANAGEMENT FOR THE HOSPITALITY INDUSTRY
Students in this course will explore current marketing trends for the restaurant and hospitality industry, including social media marketing and food photography. This course will also cover planning, organizing, directing and analyzing results of various marketing programs for the industry. Emphasis will be placed on target marketing, marketing mix, analysis, product and image development, use of current media, sales planning, advertising, public relations and collateral materials.
Credits: 3
Prerequisites: HOSM 230
Course Notes: or Dept consent

HOSM 333 - RESTAURANT/FOOD SERVICE MANAGEMENT
A systems perspective on foodservice operations; issues in commercial and institutional foodservices, industry trends, competitive analysis, evaluation of operations, implementing change in foodservice organizations, restaurant business plans, LEED certification, front and back of the house design.
Credits: 3
Prerequisites: HOSM 230
Course Notes: or consent

HOSM 337 - WINE, LIQUORS, AND BEVERAGE MANAGEMENT
Origins, production, classifications, and characteristics of all types of alcoholic beverages; historical, social, economic, and political perspectives. Training of servers and the liability of owners; aspects of bar management including marketing, advertising, and hiring. Bar layout and design. The complementary relationships between food and drink; new mixology techniques and sommelier service.
Credits: 3
Course Notes: Must be age 21 at registration. 12 SH of HOSM.

HOSM 340 - COMPUTER APPLICATIONS FOR THE HOSPITALITY INDUSTRY
Spreadsheets, word processing, and database applications in the hospitality industry; specific programs for lodging, food and beverage, and meeting, convention, and exposition management.
Credits: 3
Prerequisites: HOSM 201
Course Notes: 12SH in HOSM or consent.

HOSM 340R - EVENT PLANNING MANAGEMENT
This course is designed as a detailed look at the planning of and management of events, such as theme parties and weddings; planning for fundraising events, recognition events, convention/conference events, and entertainment for events. The class will cover different event types; design and creativity for events; use of contractors and suppliers; incorporation of sponsors; use of volunteers, and ethical and legal considerations of event planning. This course will serve as a foundation for students preparing for a career in event planning or event management. Students in this course will become actively involved in the planning, preparation and execution of events facilitated by the instructor.
Credits: 3
Prerequisites: HOSM 201
Course Notes: or Dept consent

HOSM 345 - SEMINAR IN HOSPITALITY MANAGEMENT: TECHNIQUES & PROBLEMS
Issues, trends, and problems facing the contemporary hospitality manager. A different topic is covered each semester.
Credits: 3
Course Notes: 12SH in HOSM or consent

HOSM 350 - ADVANCED MARKETING FOR THE HOSPITALITY INDUSTRY
Market research, positioning, marketing plan development, including the use of social media platforms and analytics, competitive analysis, promotion, advertising, and current business development techniques.
Credits: 3
Prerequisites: MKTG 302
Course Notes: 12SH in HOSM, Minimum C grade required.

HOSM 351 - INTRODUCTION TO SPORTS AS A BUSINESS ENTERPRISE
Overview of organized sports and sports management; the role of sports in society; organized sports as an economic enterprise including basic organizational and business structure; the role hospitality plays in professional and collegiate sports. Introduction to business and marketing principles of sports hospitality, study and practice of customer service principles. Explore the spectrum of non-athletic career opportunities and various career paths available in hospitality and tourism management.
Credits: 3
Course Notes: Department consent. Sophomore standing.

HOSM 352 - SPORTS FINANCE AND BUSINESS
Economics of managing professional, amateur and collegiate sports organizations. Basic theory and concepts in finance and accounting applied to managerial control of sport organizations, forms of ownership, taxation, budgeting, fundraising, financial analysis, feasibility studies and economic impact studies. Coverage of business structures, the time value of money and ethical guidelines and issues in auditing.
Credits: 3
Prerequisites: HOSM 300 and HOSM 351 and MATH 100

HOSM 353 - SPORTS MARKETING
This course examines marketing and revenue generating areas of operation within professional sports franchises, college athletic departments, niche sport organizations and sports related consumer products, with focus on the organizational management and decision making approaches of marketing and promotions, ticket sales and corporate sales and fulfillment offices. Topics include branding and rebranding a franchise, using new media platforms to generate revenue, and the art of the successful promotion.
Credits: 3
Prerequisites: HOSM 351
Course Notes: or Dept consent

HOSM 353R - MENU AND FACILITY
This course encompasses both the narrow and broad components of foodservice planning so that students, in effect, build an establishment from the ground up. Beginning with the newly created menus from HGT 275, the complete planning and operation of a foodservice establishment will be explored. Supplied, schedules, licenses, permits, construction, equipment, fixed and controllable costs, and work simplification procedures are stressed. Planning emphasizes efficient production, service, control, profitability, market and feasibility studies. (Prerequisite: HGT 275)
Credits: 3
Prerequisites: HOSM 351

HOSM 354 - SPORTS FACILITY MANAGEMENT
The purpose of this course is to provide students with an introduction to the planning and management of sports facilities. The course will focus on elements of planning, design, and management, while examining functions related to maintenance, security, operations, and evaluation. The course will emphasize problem solving utilizing class discussions, guest speakers and facility site visitations as feasible.
Credits: 3
Prerequisites: HOSM 351
HOSM 355 - SPORTS COMMUNICATIONS, MEDIA ISSUES, & PUBLIC RELATIONS
Sports communications professionals are integral to the management, marketing and operations of sports organizations at all levels. Sports communications skills are used in careers in sports journalism, public relations, community relations, broadcasting, advertising or sales. Topics include sports journalism and public relations, legal aspects, online communications and social media, and crisis communication. Guest lecturers from the sports communication field will discuss their experiences in television, collegiate athletics, and professional sports. Credits: 3
Prerequisites: HOSM 351
Course Notes: Department consent

HOSM 356 - SPORTS EVENT MANAGEMENT
This course examines the complexities involved with planning and managing major sporting events and their facilities. Covered in this course are management and preparations for events including crowd management, concession and alcohol management, medical emergency and evacuation plans, and housekeeping and facility design and upkeep. Credits: 3
Prerequisites: HOSM 231 and HOSM 351

HOSM 357 - SPORTS COMMUNICATIONS RELATIONS & FAN DEVELOPMENT
Learn about all aspects of community affairs outreach in the sports industry. Students will learn how the community and fan development departments create and implement community initiatives, donation programs and fundraising activities. Areas of discussion: Game day and non-game day programs, silent auctions, general office work and planning and execution of community activities. Credits: 3

HOSM 360 - COMM FUNCT IN HOSP INDUSTRY
Written and oral communication skills in the professional hospitality environment. Effective written communication and visual presentation illustrated in business reports, letters, memos, press releases, and presentations. Survey of interview process as Hospitality and Tourism Management major form of communication. Credits: 3
Prerequisites: ENG 102
Course Notes: 12SH in HOSM

HOSM 365 - INTRODUCTION TO GAMING
Gaming industry history, government regulation, and economic impact with focus on the economics of gaming. Gaming’s interface with lodging, food, and beverage on the property as well as gaming’s interface with tourism and government in the community. Components of casino operations, various careers, and the functions of those occupations within the gaming industry. Credits: 3
Course Notes: Must be 21 years of age.

HOSM 366 - CASINO OPERATIONS & MANAGEMENT
History of the gaming industry as it applies to modern management philosophy and regulation. Hotel casino cash flow sources and mechanisms of production. Analysis of slot operations, games, casino marketing, and overview of selected areas of casino management. Basic statistical applications related to casino management. Credits: 3
Course Notes: Must be 21 yrs. of age.

HOSM 367 - CULTURAL AWARENESS FOR HOSPITALITY AND TOURISM
Economic, environmental, social, cultural and political impacts associated with diversity in the hospitality industry. An examination of critical contemporary issues focused on diversity, as well as the development of competence and sensitivity in the hospitality field. Credits: 3
Attributes: Non-western Culture
Prerequisites: ENG 102
Course Notes: 12SH in HOSM

HOSM 368 - INTERNSHIP/HOSPITALITY MANAGEMENT
A supervised learning experience in the hospitality industry. Placement and learning objectives are subject to the approval of the instructor. Credits: 1-6
Course Notes: Department consent

HOSM 369 - SPECIAL TOPIC IN HOSPITALITY AND TOURISM MANAGEMENT
In-depth seminars on specific topics in sustainability, including environmental literature and communication; the urban environment; sustainability and environmental history; parkland conservation; campus/ institutional sustainability planning; and representations of sustainability in art, literature, film, and media. Credits: 3
Course Notes: 12 SH of HOSM or Dept. consent.

HOSM 370 - SPECIAL TOPICS: IN HOSPITALITY AND TOURISM MANAGEMENT
This course focuses on a variety of special interest topics regarding leadership & Management, research analysis, and current trends within the hospitality and tourism industry. Subjects may include: food & Beverage, hotels, travel, event management, tourism, real estate, revenue management, sports management, and marketing within the hospitality industry. Credits: 3
Course Notes: 12 SH of HOSM or Dept. consent.

HOSM 371 - HOSTILITIES MANAGEMENT SENIOR PROJECT
A guided independent research project on a topic of vital interest to the student as a practicing hospitality professional. Topic chosen in consultation with the instructor. Credits: 3
Prerequisites: ENG 102 and HOSM 290
Course Notes: Minimum C grade required

HOSM 372 - THESIS COMPLETION
HOSM 399 Senior Thesis, in progress section. Credits: 0
HRM 311 - INTRODUCTION TO HUMAN RESOURCE MANAGEMENT
Contribution of human resources management to success in business organizations; present-day human resources theory and practices; contributions of behavioral sciences to interpersonal relations.
Credits: 3

HRM 313 - STRATEGIC COMPENSATION MANAGEMENT
Relationship of job evaluation, job classification, merit rating systems, seniority systems, and salary surveys to wage and salary administration; all forms of compensation, including wage rates, salary structure, incentive systems, bonus plans, profit sharing, stock options, and fringe benefits.
Credits: 3
Prerequisites: HRM 311

HRM 321 - EMPLOYMENT TECHNIQUES
Basic approach to work force management; staffing schedules; position specifications; selection process; interviewing and role-playing techniques.
Credits: 3
Prerequisites: HRM 311 and (ECON 234 or MATH 217 or PSYC 200)

HRM 331 - INDUSTRIAL RELATIONS MANAGEMENT
Survey of industrial relations. Collective bargaining, arbitration, and mediation; communication between management and labor; recent labor legislation.
Credits: 3
Prerequisites: HRM 311

HRM 360 - EMPLOYEE BENEFITS
Employee benefits from the perspective of the employer and the benefit provider. The entire process from design to implementation of employee benefit programs. Designed for students in risk management, insurance, management, and human resources.
Credits: 3
Prerequisites: HRM 311 or HRM 211X

HRM 361 - SUPERVISION & EMPLOYEE TRAINING
Methods of training employees; building training programs; developing supervisors; determining need for supervisory training; measuring results of training; examination of growth of company training programs.
Credits: 3
Prerequisites: HRM 311

HRM 390 - SPECIAL TOPICS IN HUMAN RESOURCE MANAGEMENT
Topics of current interest in the area of Human Resource Management. Check class schedule for specific topics and prerequisites by clicking on the red five-digit CRN.
Credits: 3

HRM 395 - INDEPENDENT STUDY
Students work under the direction of a HRM/MGMT faculty member on projects selected by the student and approved by supervising faculty member, department chair, and college dean.
Credits: 1-3
Course Notes: Consent of Instructor and Academic Head

HRM 398 - PROFESSIONAL HUMAN RESOURCE MANAGEMENT INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to undergraduate business program.
Credits: 1-3
Course Notes: Internship requirements vary by assignment; consent is required by the instructor.
INFORMATION SYSTEMS (INFS)

INFS 330 - MANAGEMENT INFORMATION SYSTEMS
Information processing systems; information technology infrastructure; database and information management; computer networks and telecommunications; information security; enterprise applications; e-commerce; building information systems; fundamental management, strategic, and organizational issues in the use of information systems.
Credits: 3

INFS 380Q - PROJECT MANAGEMENT
Applied approach to the study of project management. An integrative framework for understanding principles and practices of project management, including origins, applications, and philosophy. The role of project management in organizations; the use of teams in and implementation of project management practices.
Credits: 3
Prerequisites: INFS 330

INFS 390 - SPECIAL TOPICS IN INFORMATION SYSTEMS
Topics of current interest in the area of Information Systems Management. Check class schedule for specific topics and prerequisites by clicking on the red five-digit CRN.
Credits: 3
Prerequisites: INFS 330
Course Notes: or consent

INFS 395 - INDEPENDENT STUDY
Students work under the direction of an INFS department faculty member on projects selected by the student and approved by supervising faculty member, department chair, and college dean.
Credits: 1-3
Prerequisites: INFS 330
Course Notes: Consent of Instructor and Academic Head

INFS 398 - PROFESSIONAL INFORMATION SYSTEMS INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to undergraduate business program.
Credits: 1-3
Prerequisites: INFS 330
Course Notes: Internship requirements vary by assignment; consent, is required by the instructor.
INTEGRATED MARKETING COMM (IMC)

**IMC 202 - IMC PRINCIPLES/BEST PRACTICES**
Introduction to methods of IMC. Survey the full range of marketing communication tools including advertising, public relations, sales promotion, direct response, event, sponsorship, and customer management. Emphasis on ‘idea-centric’ planning for appropriate IMC channels. 

Credits: 3
Prerequisites: COMM 201 (may be taken concurrently)

**IMC 215 - CAUSE-RELATED MARKETING**
To save even small parts of the world, one needs to raise funds, create engagement, attract activists, build consensus, understand why people dedicate themselves to particular social issues, and comprehend the social and cultural limitations with which society attempts to thwart or re-direct world-improvers. Classics on this topic in psychology, sociology and cultural anthropology will frame the discussion. Heavy emphasis on the nuts and bolts of how it’s done.

Credits: 3
Attributes: Social Science
Prerequisites: ENG 101

**IMC 220 - MEDIA WRITING**
Learning to write clearly and concisely. Lab will cover basic writing skills as well as secondary research techniques needed for IMC assignments. Emphasis will be on revision, organization and style.

Credits: 4
Prerequisites: COMM 201 (may be taken concurrently)

**IMC 240 - MARKETING RESEARCH**
Research techniques for advertising, journalism, professional communication and public relations for measuring audience attitudes, interests, and opinions. Focus on selecting appropriate research methods/techniques; gathering primary and secondary data; analyzing, interpreting, reporting, and applying data in social, commercial, and political environments. Includes researching information on computerized databases and the Internet.

Credits: 3
Prerequisites: COMM 201
Course Notes: No additional credit granted for ‘IMC RESEARCH’

**IMC 243 - VISUAL COMMUNICATION**
Overview of the visual arts in marketing communication. Class will cover the fundamentals of brand aesthetics, including print, broadcast, collateral, and web. Upon completion each student will be expected to demonstrate core competencies in brand identity and creative decision-making.

Credits: 3
Prerequisites: COMM 201

**IMC 262 - FUNDAMENTALS OF PR**
Principles, history, and practice of public relations in business, educational institutions, social welfare organizations, government, and military services. Includes planning, research, writing, and production of PR materials.

Credits: 3
Prerequisites: IMC 202
Course Notes: This course is equivalent to IMC 302.

**IMC 263 - FUNDAMENTALS OF ADVERTISING**
Overview of advertising principles and practice. Examination of the various domains in advertising (research, account management, and media planning and creative) as well as understanding the process and production of marketing communication in print, TV, web, and interactive.

Credits: 3
Prerequisites: IMC 202
Course Notes: This course is equivalent to IMC 303.

**IMC 264 - FUNDAMENTALS OF DIGITAL AND SOCIAL MEDIA MARKETING**
Digital and Social media marketing is now a foundational skillset, an absolute imperative, in the practice of marketing communications. In this course, we explore all things digital marketing including, but not limited to, social media marketing, internet and mobile display advertising, content marketing, email marketing, search engine marketing and optimization.

Credits: 3
Prerequisites: IMC 202

**IMC 302 - FUNDAMENTALS OF PUBLIC RELATIONS**
Principles, history, and practice of public relations in business, educational institutions, social welfare organizations, government, and military services. Includes planning, research, writing, and production of PR materials.

Credits: 3
Prerequisites: (IMC 202) and IMC 220 or JOUR 220

**IMC 303 - FUNDAMENTALS OF ADVERTISING**
Overview of advertising principles and practice. Examination of the various domains in advertising (research, account management, and media planning and creative) as well as understanding the process and production of marketing communication in print, TV, web, and interactive.

Credits: 3
Prerequisites: (IMC 202) and IMC 220 or JOUR 220

**IMC 340 - MEDIA RELATIONS**
This class is intended to demonstrate appropriate use of media to meet specific client objectives. Material covered will include media relations, product promotion, and crisis communication. This course will also cover current issues relevant to the field.

Credits: 3
Prerequisites: IMC 262

**IMC 343 - REPUTATION MANAGEMENT**
Course will cover a broad range of topics: maintaining stakeholder relations, developing strategic messages, organizing press conferences/press briefings, and managing internal issues and employee relations required to manage brand equity in today’s marketplace.

Credits: 3
Prerequisites: IMC 302

**IMC 344 - BRAND MANAGEMENT**
Emphasis will be on broad brand building strategies and tactics for clients and agencies. Course will also examine financial aspects of client/agency relationship, personnel management and effective leadership techniques.

Credits: 3
Prerequisites: IMC 262 and IMC 263

**IMC 345 - ADVERTISING MEDIA**
Course examines the media planning process from objectives and strategies to tactics, budgeting, and plan execution; also covers media selling and buying, as well as using syndicated media research.

Credits: 3
Prerequisites: IMC 263
IMC 347 - CAMPAIGN PLANNING
Project-based capstone course in which students, working in teams, create a unique and integrated brand campaign. Course will cover situational analysis, audience research, key strategic decisions, and creative development. Focus will be on incorporating both advertising and public relations tactics together with IMC methods.
Credits: 3
Prerequisites: IMC 262 and IMC 263
Course Notes: No additional credit granted for 'IMC Campaigns.

IMC 349 - ADVERTISING PORTFOLIO I
An overview of the creative process, as applied to integrated marketing communication; covers techniques for 'concepting' (idea generation) as well as fundamentals of art direction and copywriting.
Credits: 3
Prerequisites: IMC 202

IMC 350 - ADVERTISING PORTFOLIO II
Students selected on the basis of performance in the IMC 349 Portfolio I. In this class, students will be expected to complete five campaigns, which will be reviewed by outside advertising creatives. Course work will cover both advanced art direction and copywriting techniques.
Credits: 3
Prerequisites: IMC 349 (may be taken concurrently)
Course Notes: Registration subject to instructor approval.

IMC 353 - MULTICULTURAL MARKETING COMMUNICATIONS
Issues of globalism and domestic cultural diversity and their impact on IMC values. Focus on values, behaviors, and underlying assumptions related to verbal and visual communications strategies. Case studies of IMC campaigns directed towards culturally specific domestic and international audiences.
Credits: 3
Attributes: Non-western Culture
Prerequisites: ENG 102
Course Notes: Sophomore Standing.

IMC 354 - PUBLICATION DESIGN
Theories of design and practical experience with creating layout and using photos and art in newspapers, magazines, newsletters, online publications. Students will use Adobe InDesign software for hands-on layout exercises.
Credits: 3
Prerequisites: JOUR 220 or IMC 220

IMC 355 - MAGAZINE WRITING
Research and writing of articles for contemporary magazine publications.
Credits: 3
Prerequisites: IMC 220 or JOUR 220 or CRWR 153

IMC 357 - MAGAZINE PRODUCTION
Developing a magazine prototype. Focus on practical experience with creating layout and using photos and art in newspapers, magazines, newsletters, online publications. Students will use Adobe InDesign software for hands-on layout exercises.
Credits: 3
Prerequisites: CRWR 153 or IMC 220 or JOUR 220

IMC 362 - DIGITAL/SOCIAL MARKETING COMMUNICATIONS
An exploration of social media (Facebook, Snapchat, Twitter, Instagram, Pinterest, blogs, and more) and their increasing role within the communications landscape. A mix of lectures, readings, presentations by social media practitioners, and analyses of a wide range of corporate social media participation, leading to student efforts to incorporate social media into a fully Integrated Marketing Communications program.
Credits: 3
Prerequisites: IMC 302 and IMC 303

IMC 363 - LAW AND ETHICS
First Amendment rights and responsibilities; issues related to libel and slander. Class will also cover restrictions on print and broadcast media, as well as criteria for ethical decision-making by IMC professionals.
Credits: 3
Prerequisites: IMC 220 (may be taken concurrently)
Course Notes: Journalism and, Media Studies students must take JMS 363.

IMC 365 - BRAND STORYTELLING
The exciting and rapidly expanding field of content marketing. The variety and styles of content marketing including big brands, niche storytelling, video events, and nonprofit research papers. All content marketing requires excellent reporting and writing skills. Students will practice developing story ideas with particular brands and audiences in mind, and for several different platforms including the web, social media, and a customer magazine; in-depth research, reporting, and interviews; and will learn how to tell a nonfiction story and to be cognizant of diversity, cultural awareness, and fairness issues in branded reporting, design, and editing.
Credits: 3
Prerequisites: IMC 262 and IMC 263

IMC 374 - CRISIS COMMUNICATION
Course focuses on understanding the variety of crises that threaten and affect organizations and/or brands and the integrated activities that organizations employ to address and minimize crises; understanding the life cycle of crises as well as strategies and tactics; gaining familiarity with stakeholders and methods used to offset threatening activity.
Credits: 3
Prerequisites: IMC 262

IMC 381 - INTERNATIONAL MARKETING CULTURES
Designed to enhance student preparation for careers in various Media Marketing and IMC fields. This two-week summer intensive course includes one week of travel to meet with leading IMC professionals in New York followed by one week of in-class group work developing brand engagement programs using leading edge marketing communications tools and techniques.
Credits: 3-6
Attributes: Travel Based Study
Prerequisites: IMC 202 or MKTG 302
Course Notes: Faculty-led International Travel.

IMC 386 - LEADING EDGE OF MARKETING COMM
Designed to enhance student preparation for careers in various Media Marketing and IMC fields. This two-week summer intensive course includes one week of travel to meet with leading IMC professionals in New York followed by one week of in-class group work developing brand engagement programs using leading edge marketing communications tools and techniques.
Credits: 3
Attributes: Travel Based Study
Prerequisites: IMC 202 or MKTG 302
Course Notes: This is a faculty-led travel course. Click red CRN for detailed course description.

IMC 390 - SPECIAL TOPICS IN IMC
Course content varies by semester but will always focus on issues relevant to the marketing communication community.
Credits: 3
Prerequisites: IMC 202 and IMC 220
**IMC 391 - INTERNATIONAL IMC STUDY EXPERIENCE**
IMC 391 is designed to significantly enhance student preparation for careers in the various IMC fields in the age of globalism. Each 3 credit-hour course consists of a 10- (to 14) day study excursion to a country abroad during which students will engage in a focused, university-based learning experience. Students will participate in lectures/discussions conducted both by RU and host-institution faculty on cultural-, industry-, and market-related topics, as well as make site visits to a specific business/organization, the agencies providing its marketing communications services, and other relevant locations to examine the character and scope of IMC practice in the featured country. To demonstrate their learning, students will produce a case study. Attendance at a pre-excursion session is required of all students.
Credits: 3
Attributes: Travel Based Study
Prerequisites: IMC 202 or MKTG 302
Course Notes: Click red CRN for details on this, International travel course

**IMC 393 - IMC PRACTICUM**
Designed for students who cannot complete traditional internships. Possible hands-on projects include projects developed by students for their employers. Chair approval required. Discuss proposals with the department chair.
Credits: 3
Prerequisites: IMC 302 and IMC 303
Course Notes: Chair consent.

**IMC 395 - INDEPENDENT STUDY**
Independent projects in marketing communications areas in which students work closely with a faculty supervisor. Students must arrange their projects with their faculty supervisors before registering for their independent studies.
Credits: 1-3
Course Notes: Department chair approval required.

**IMC 399 - INTERNSHIP IN IMC**
In-service training with a professional marketing, public relations, advertising or media operation. Students must successfully complete academic reflections and evaluations during their internship term, in addition to working a total of 225 hours at a single internship, to receive credit for their internships.
Credits: 3
Prerequisites: IMC 262 and IMC 263
Course Notes: 3 additional core IMC courses required.

**IMC 399P - THE PROFESSIONAL INTERNSHIP**
Approval of departmental internship coordinator required. This course is designed for students preparing to take the internship course for full (3 hours) credit. Covers internship search strategies, resume preparation, interviewing skills.
Credits: 0
Prerequisites: IMC 262 and IMC 263

**IMC 399Y - IMC INTERNSHIP EXTENSION**
Available only to students currently carrying over registration (with an 'incomplete' or 'in progress' grade) for the credit-bearing IMC 399 Internship course. IMC 399Y is available for students needing to extend their original registration to complete their internship work. Students who wish to register for IMC 399Y should consult the internship coordinator, as this registration requires an additional form and the department chair's approval.
Credits: 0
INTERNATIONAL FIRST YEAR (IFY)

IFY 001 - PRE-EAP
This is a content-based course offered to English language learners who are not ready for a Level 1 course. Its thorough integration of the four basic language skills helps students acquire communication and literacy skills necessary to function in real-life situations. The scope and sequence of the course presents vocabulary, competencies, literacy skills, phonics, and grammar in a gradual progression.
Credits: 3

IFY 011 - READING I
This is a content-based intermediate reading course for English Language Learners who have begun the process of integration into an American University setting. In this course, students will learn and apply the reading skills essential for academic learning, inquiry, and discourse in the context of authentic academic reading tasks. Students will work to build fluency, comprehension, and vocabulary skills through extensive and intensive reading tasks of increasing complexity. Contemporary academic and literary texts will be used to develop students’ critical reading and vocabulary, writing, listening, and speaking skills.
Credits: 3

IFY 012 - READING AND WRITING II
This is a high intermediate literature-based course for English language learners who are preparing to enter an American university setting. In this course, students will learn and apply the reading and writing skills essential for academic learning, inquiry, and discourse in the context of authentic academic reading and writing tasks. This course offers a hands-on workshop approach to authentic reading and writing tasks and includes teacher modeling, coaching, and feedback to students throughout the reading and writing processes. Contemporary academic and literary texts will be used to develop students’ critical reading and vocabulary, writing, listening, and speaking skills.
When possible, materials from courses the students are taking will be integrated into classroom activities and assignments.
Credits: 3

IFY 013 - READING AND WRITING III
This course is designed to help students understand their current abilities to read to and to write English and to provide assistance and practices to facilitate development of these skills that will promote success in their studies at the next level. Students will be required to read to both short and long selections to practice determining the writer’s intended message in addition to comprehending details and facts. Students will be provided opportunities to improve their abilities to express understandings and ideas in academic writings while critiquing the works of others. Students will write research papers to become familiar with aspects of conducting research and following APA guidelines to produce academically acceptable papers.
Credits: 3

IFY 021 - WRITING I
This is an intermediate composition course for English Language Learners who are preparing to enter an American university setting. In this course students will learn and apply the reading and writing skills essential for academic learning, inquiry, and discourse in the context of authentic academic writing and rhetorical tasks. This course offers a hands-on workshop approach to authentic reading and writing tasks and includes teacher modeling, coaching, and feedback to students throughout the writing process.
Credits: 3

IFY 031 - LISTENING AND SPEAKING I
This course provides short and focused activities to help English Language Learners improve their listening and speaking skills. It includes practice in both mastering the larger message and key words, phrases and specific sounds to assist students in developing better speaking and comprehension skills. Students will practice dictation using dialogues, development strategies, as well as practice speaking in small groups and individually.
Credits: 3

IFY 032 - LISTENING AND SPEAKING II
Listening and Speaking II focuses on the comprehension of oral lectures in a variety of liberal arts disciplines. You will learn how to be prepared for lectures, how to listen better during lectures, and how to recognize what you missed in a lecture. There is a strong emphasis on note-taking strategies and class discussions on the lecture. Wherever possible, recordings of authentic university lectures will be used. Speaking focuses on the clear pronunciation of common words and phrases and continues the development of English pronunciation patterns of stress and intonation. Students will practice English speaking skills in different settings utilizing a variety of online and interactive tools through classroom activities, debates and presentations.
Credits: 3

IFY 033 - LISTENING AND SPEAKING III
Instruction in this Listening and Speaking III course is designed to help students understand their current abilities to listen to and to speak English and to provide assistance and practices to facilitate development of these skills that will promote success in their studies at the next level. Students will be required to listen to both short and long lectures to practice detecting the speaker’s intonations and attitudes in addition to comprehending details and facts. Students will gain experience listening to multiple native speakers at the same time. Students will have opportunities to practice both short and long extemporaneous and researched speeches to develop their speaking fluency. Students will also practice interpreting, maintaining the floor, and adding speech to another speakers ideas on the spot.
Credits: 3

IFY 041 - GRAMMAR I
This course aims to build students’ confidence in their spoken and written English. This course builds on students’ prior knowledge to reinforce basic language skills and improve the fluency and accuracy of intermediate-level students.
Credits: 3
IFY 042 - GRAMMAR II
The instruction in Grammar II is designed to build students' abilities to speak and write English effectively. This course builds on students' prior knowledge to reinforce basic language skills and improve the fluency and accuracy of high intermediate-level students. High-interest, academic content area reading lessons, as well as spoken and written assignments keep students involved as they learn and practice the various parts of speech and sentence construction.
Credits: 3

IFY 043 - GRAMMAR III
This course aims to build students' capabilities in their spoken and written English. This course builds on students' prior knowledge to reinforce language skills and improve the fluency and accuracy of advanced-level students.
Credits: 3

IFY 051 - COLLEGE LIFE I
Instruction in the College Life I course is designed to familiarize students with the services and resources of Roosevelt University and to assist students in developing the study skills and self-management strategies that will facilitate academic success and personal growth. The primary goal of the course is to facilitate each student's academic success and personal growth by presenting study and self-management skills, and by exploring issues and ideas of importance in the college experience. The course combines classroom lectures, activities, and discussions with class visits to campus agencies for orientation and visits by representatives of campus departments.
Credits: 3

IFY 071 - CRITICAL THINKING I
Instruction in this Critical Thinking I course is designed to help students understand the processes and to develop the necessary skills to interpret, analyze and evaluate ideas and arguments. These skills will be developed by teaching them explicitly and directly rather than indirectly. Students will be exposed to analyzing reasoning and to developing their own arguments. A requirement will be imposed on all students to keep a critical thinking notebook to help them track their progress by answering questions as they are set. Because critical thinking involves attempting to change the ways in which people think, students will be given comprehensive practice and feedback.
Credits: 3

IFY 072 - CRITICAL THINKING II
This course continues the objectives achieved in Critical Thinking I by exploring the process of thinking critically and further guiding international students in thinking more clearly, insightfully and effectively. This course will explore the field of critical thinking from an international perspective, explaining how various cultures define such concepts as effective thinking, problem solving, logical reasoning, issue analysis, and knowledge. Students will develop a rich and culturally diverse understanding of the critical thinking process. They will enhance their own critical thinking abilities by analyzing varied cultural perspectives on events in the world around them. Because the aim of critical thinking is to deepen your skills at everyday kinds of reasoning, the primary learning goals for this course are focused on expanding your capabilities for: • Understanding the logical structures of the primary classes of arguments used in the everyday contexts of life; • Analyzing arguments within these classes for their strengths and weaknesses; • Recognizing common fallacies in reasoning, including reasoning involving determining probabilities; • Constructing good arguments using principles of informal reasoning; • Reflecting on your own thinking practices; and • Listening to the arguments of others without prejudging these arguments in advance.
Credits: 3
INTERNATIONAL PRE-MASTERS (IPM)

IPM 012 - READING AND WRITING II
This is a high intermediate literature-based course for English language learners who have begun the process of integration into an American University setting. In this course, students will learn and apply the reading and writing skills essential for academic learning, inquiry, and discourse in the context of authentic academic reading and writing tasks. This course offers a hands-on workshop approach to authentic reading and writing tasks and includes teacher modeling, coaching, and feedback to students throughout the reading and writing processes. Contemporary academic and literary texts will be used to develop students’ critical reading and vocabulary, writing, listening and speaking skills. When possible, materials from courses the students are taking will be integrated into classroom activities and assignments. This course is cross-listed with IFY012. Graduate students will have additional course requirements. Credits: 3

IPM 013 - READING AND WRITING III
This course is designed to help students understand their current abilities to read and to write English and to provide assistance and practices to facilitate development of these skills that will promote success in their studies at the next level. Students will be required to read to both short and long selections to practice determining the writer's intended message in addition to comprehending details and facts. Students will be provided opportunities to improve their abilities to express understandings and ideas in academic writings while critiquing the works of others. Students will write research papers to become familiar with aspects of conducting research and following APA guidelines to produce academically acceptable papers. This course is cross-listed with IFY013. Graduate students will have additional course requirements. Credits: 3

IPM 032 - LISTENING AND SPEAKING II
Listening and Speaking II focuses on the comprehension of oral lectures in a variety of liberal arts disciplines. You will learn how to be prepared for lectures, how to listen better during lectures, and how to recognize what you missed in a lecture. There is a strong emphasis on note-taking strategies and class discussions on the lecture. Wherever possible, recordings of authentic university lectures will be used. Speaking focuses on the clear pronunciation of common words and phrases and the development of English pronunciation patterns of stress and intonation. Students will practice English speaking skills in different settings utilizing a variety of online and interactive tools through classroom activities, debates and presentations. This course is cross-listed with IFY032. Graduate students will have additional course requirements. Credits: 3

IPM 033 - LISTENING AND SPEAKING III
Instruction in this Listening and Speaking III course is designed to help students understand their current abilities to listen to and to speak English and to provide assistance and practices to facilitate development of these skills that will promote success in their studies at the next level. Students will be required to listen to both short and long lectures to practice detecting the speaker's intonations and attitudes in addition to comprehending details and facts. Students will gain experience listening to multiple native speakers at the same time. Students will have opportunities to practice both short and long extemporaneous and researched speeches to develop their speaking fluency. Students will also practice interpreting, maintaining the floor, and adding speech to another speakers' ideas on the spot. This course is cross-listed with IFY033. Graduate students will have additional course requirements. Credits: 3

IPM 042 - GRAMMAR II
The instruction in Grammar II is designed to build students' abilities to speak and write English effectively. This course builds on students' prior knowledge to reinforce basic language skills and improve the fluency and accuracy of high intermediate-level students. High-interest, academic content area reading lessons, as well as spoken and written assignments keep students involved as they learn and practice the various parts of speech and sentence construction. This course is cross-listed with IFY042. Graduate students will have additional course requirements. Credits: 3

IPM 043 - GRAMMAR III
This course aims to build students' capabilities in their spoken and written English. This course builds on students' prior knowledge to reinforce language skills and improve the fluency and accuracy of advanced-level students. This course is cross-listed with IFY043. Graduate students will have additional course requirements. Credits: 3

IPM 061 - UNITED STATES CULTURE I
This course will offer English Language Learners a means for analyzing and evaluating complex social issues and relate these issues specifically to the social and moral landscape of the United States. This course provides a survey of theoretical frameworks for the interpretation of US culture over time and involves interdisciplinary study of the US cultural history from early colonial encounters to the present day. The term, “culture,” as used in this course, means the ways in which Americans understand themselves and interact with each other and their environment. It includes their institutions as well as their literature, their family structures, their politics and economics, work, habits, rituals, values and beliefs. Because of the social diversity of “Americans”, the study of culture in the United States refers to many cultures and must ask how this diversity coexists with national identity. This course teaches critical thinking skills, methods for cultural observation, and graduate-level inquiry and research methods. The course has three main purposes: (1) to familiarize international students with the dissimilar ways that various disciplines study culture; (2) to give them a broad knowledge of various facets of American culture; and (3) to develop a more sophisticated understanding of one aspect of American culture through the completion of a 7- to 10-page final research paper. Credits: 3
IPM 062 - UNITED STATES CULTURE II
This course will continue the objectives achieved in US Culture I by offering English Language Learners a means for continuing their analysis and evaluation of the complex social and moral issues that are specific to the culture of the United States. This course specifically focuses on current debates in American Studies by examining a number of culturally and politically relevant topics in greater detail. Topics include the following: Debates about the crises of destabilizing climate change and rising competition for energy resources; the future attainability of the "American Dream" and debates about what "success" means and who has access to this; Public Education Reform and debates about Testing, Learning Outcomes and Teacher Accountability; cross cultural comparisons of health care systems and debates about whether or not the current entitlement programs sustainable for future generations and in what form? The course examines the ways in which varying disciplines make meaning of world issues and common social problems and puts specific modes of inquiry into practice. Students learn how to seek, produce, and evaluate different forms of evidence and how to shape this evidence in the direction of a broader project consisting of the completion of a 15- to 20-page final research paper.
Credits: 3

IPM 071 - CRITICAL THINKING I
Instruction in this Critical Thinking I course is designed to help students understand the processes and to develop the necessary skills to interpret, analyze and evaluate ideas and arguments. These skills will be developed by teaching them explicitly and directly rather than indirectly. Students will be exposed to analyzing reasoning and to developing their own arguments. A requirement will be imposed on all students to keep a critical thinking notebook to help them track their progress by answering questions as they are set. Because critical thinking involves attempting to change the ways in which people think, students will be given comprehensive practice and feedback. This course is cross-listed with IFY 071. Graduate students will have additional course requirements.
Credits: 3

IPM 072 - CRITICAL THINKING II
This course continues the objectives achieved in Critical Thinking I by exploring the process of thinking critically and further guiding international students in thinking more clearly, insightfully and effectively. This course will explore the field of critical thinking from an international perspective, explaining how various cultures define such concepts as effective thinking, problem solving, logical reasoning, issue analysis, and knowledge. Students will develop a rich and culturally diverse understanding of the critical thinking process. They will enhance their own critical thinking abilities by analyzing varied cultural perspectives on events in the world around them. Because the aim of critical thinking is to deepen your skills at everyday kinds of reasoning, the primary learning goals for this course are focused on expanding your capabilities for: • Understanding the logical structures of the primary classes of arguments used in the everyday contexts of life; • Analyzing arguments within these classes for their strengths and weaknesses; • Recognizing common fallacies in reasoning, including reasoning involving determining probabilities; • Constructing good arguments using principles of informal reasoning; • Reflecting on your own thinking practices; and • Listening to the arguments of others without prejudging these arguments in advance.
This course is cross-listed with IFY072. Graduate students will have additional course requirements.
Credits: 3

IPM 090 - GRE/GMAT PREP COURSE
This course is designed to help prepare students for success on both the GRE and GMAT exams. We will review math, verbal, and critical thinking skills, and learn strategies for approaching the question types. The course will incorporate lecture, note-taking, class discussion, class exercises, homework, quizzes, and a full-length practice test.
Credits: 0
ITALIAN (ITAL)

ITAL 101 - BEGINNING ITALIAN I
Mastery of basic language skills of listening, speaking, reading, and writing. For beginners.
Credits: 3
Attributes: Humanities

ITAL 102 - BEGINNING ITALIAN II
Continues the work of ITAL 101 in basic listening, speaking, reading, and writing skills in Italian.
Credits: 3
Prerequisites: ITAL 101
Course Notes: or equivalent, in consultation with the instructor.
JOURNALISM (JOUR)

JOUR 210 - WHAT IS TRUTH/FAKE NEWS?
There's no quick fix for the challenges of 'fake news' and 'alternative facts.' Course focuses on development of critical thinking skills needed to explore the boundaries, using newspapers, magazines, videos and internet resources, of our socially constructed, digital reality. This course looks at varied concepts of truth throughout history and across cultural contexts, with particular attention to similarities and differences with the modern, science-based concept of 'fact.  
Credits: 3  
Attributes: Social Science  
Prerequisites: ENG 102

JOUR 219 - ESSENTIAL MULTIMEDIA SKILLS
Students apply technical knowledge and skills to multimedia production situations, sampling a variety of production work through active individual and team participation. Course may look at current topics such as media issues, professional multimedia production techniques, changing media technology, job market information.  
Credits: 3  
Prerequisites: COMM 201 (may be taken concurrently)

JOUR 220 - MEDIA WRITING
News writing and reporting principles, interview techniques, classroom and outside writing practice; introduction to writing appropriate to print, broadcast and online journalism; fundamentals of writing, grammar, style. Course meets for five hours weekly and includes writing in lab.  
Credits: 4  
Prerequisites: COMM 201 (may be taken concurrently)

JOUR 226 - PRODUCING FOR COLLEGE MEDIA
Students in this class serve as writers for the Torch, the weekly college newspaper, and for its website/they also may produce content for other student media, WRBC The Blaze radio station or RU Fire, the broadcast club. Students get hands-on experience in print, broadcast and online journalism and interact with student editors/producers. The class will be divided between classroom time and outside reporting.  
Credits: 3  
Prerequisites: ENG 102

JOUR 230 - TELLING SOC JUST STORIES 2.0
Black Lives Matter, Me Too, LGBTQ & You: Telling the stories of social justice in the 21st century. Combining age-old reporting and new-age digital technology, students will learn to capture the faces, voices and narratives of today's most visible social movements. Students will study the role of the media in advancing social movements. Course culminates in a final multimedia project. Learn how to tell professional quality stories that matter.  
Credits: 3  
Attributes: Grounds for Change, Social Science  
Prerequisites: ENG 102

JOUR 240 - DEMOCRACY: THE WORST FORM OF GOVERNMENT?
This course focuses on American democracy as a lived experience. Students will apply critical thinking to both confirm and challenge their concepts of, and beliefs about democratic government considering: the benefits of democracy; the flaws/limitations inherent in democracy; the citizen's obligations in a working democracy; courts and the rule of law; individual and group influence; the electoral system, its benefits and liabilities; and the role and responsibilities of media.  
Credits: 3  
Attributes: Social Science  
Prerequisites: ENG 101

JOUR 250 - JOURNALISM AND SOCIAL CHANGE
Looking at investigative journalism and its impact on society; its social justice and watchdog roles, the diversity of its practitioners, the connection of investigative reporting to political movements, and the many different media that can handle investigative material. Readings in the work of journalists; how journalists find stories and report them. Considering common issues: story complications, ethical and legal questions, and the role of narrative and style in investigative work.  
Credits: 3  
Attributes: Grounds for Change, Social Justice Studies  
Prerequisites: ENG 102

JOUR 305 - NEWS VIDEO PRODUCTION
This course will introduce students to the technology and techniques necessary to bring news reports to life in video for use on news websites or an array of other news media outlets. Students will learn how to collect, edit and present broadcast quality videos to complement news reports across a variety of subjects.  
Credits: 3  
Prerequisites: JOUR 220 or IMC 220

JOUR 307 - DOCUMENTARY VIDEO STORYTELLING
Immersion course in documentary storytelling, including planning the project, shotting video, editing and completion of the project.  
Credits: 3  
Prerequisites: JOUR 219 or IMC 220 or MED 221

JOUR 319 - NEWS REPORTING
Field reporting course with emphasis on writing detailed or complex stories from student-initiated beat coverage, interviews, on- or off-campus events, and assignments; research and writing from documents and press conferences.  
Credits: 3  
Prerequisites: JOUR 220 or IMC 220

JOUR 321 - PHOTOBOOK HISTORY & PRACTICE
History and practice of the photobook. Students will photograph a major subject over the course of the semester, edit the photographs, and layout and publish a photobook. Basic Photoshop, camera technique, and the history of the photobook will also be covered. Both film and digital cameras can be used for the course.  
Credits: 3  
Prerequisites: COMM 201 (may be taken concurrently)

Course Notes: Instr. consent
JOUR 322 - FEATURE WRITING
Reporting and writing of short- and long-form articles, including profiles, for newspapers, magazines, online media; using observation, conversation, description and character/plot development in writing journalistic article.
Credits: 3
Prerequisites: JOUR 220 or IMC 220
Course Notes: Course can be either an elective in the major or can, fulfill the JOUR 390 requirement for Journalism students.

JOUR 325 - PHOTOGRAPHY
Introduction to black & white film photography covering basic camera and darkroom techniques. Students will shoot and develop black and white film, and make prints using traditional darkroom equipment. Cameras will be provided by the department.
Credits: 3
Prerequisites: ENG 102

JOUR 328 - IPHONEOGRAPHY & DEM CAMERA
An exploration of documentary photography consisting of camera usage, shooting assignments, slide lectures, and computer work using Photoshop. No previous photography experience required. Cameras will be provided for the semester. This course will introduce the computer as a powerful tool for the photographer. We will discuss the ethical, philosophical and practical considerations regarding digital imaging. We will be using flat-bed scanners, 35mm slide and negative scanners, and digital cameras for inputting images into the computer. Adobe Photoshop will be our primary imaging program.
Credits: 3
Prerequisites: COMM 201

JOUR 329 - WHITENESS IN A GLOBAL SOCIETY
Team-taught course in sociology and journalism. International travel course exploring Whiteness in NZ and Australia. This is a six-credit course with instruction split between the classroom and instruction time during travel. During travel, students are required to attend all scheduled visits to museums, libraries, lectures, and other sites. Students are required to keep a travel (field notes/reporting) journal and to make daily entries during the trip.
Credits: 6
Attributes: International Studies, Non-western Culture, Social Science, Travel Based Study
Prerequisites: ENG 102

JOUR 330 - IPHONEOGRAPHY AND THE DEMOCRATIC CAMERA
Everyone is a photographer and cameraphones are everywhere. This course will explore the creative and ethical implications of using the iPhone as an artistic and journalistic tool. Students must have an iPhone 5 or newer to enroll in the course, and will be expected to download various photography apps for use in the class. We will use the iPhone to create, edit, and post photographic work online. Students will learn a new set of photographic standards, applications, and practices through individual and group shooting assignments, readings, examples of contemporary photographic work, and excursions to galleries and museums.
Credits: 3
Prerequisites: JOUR 201 or COMM 201
Course Notes: Students must have their own iPhone 5S, or newer for use in this class.

JOUR 339 - WRITING NONFICTION: THE DOCUMENTARY AESTHETIC
Course will examine the influence of the documentary aesthetic on American literature and consider, as well, the problems of documentary, the questions of representation and ethics that haunt it. Study of what the documentary tradition can give to contemporary nonfiction, how today's writers can transform documentary to suit their times and their purposes. Students are expected to complete a polished piece of documentary nonfiction and a critical paper.
Credits: 3
Prerequisites: JOUR 220 or IMC 220 or ENG 153

JOUR 343 - PRODUCING THE DOCUMENTARY PHOTOGRAPHY EXHIBITION
Conceptualizing, editing, and producing a documentary photography exhibition using student and/or professional work. Working together, students will generate ideas for an exhibition in the Gage Gallery, locate/produce work, and install the project in the gallery. The class will focus on the practice of curating a photography exhibition, which will include developing a theme and choosing work, writing statements/artist biographies, and promoting the exhibit to the community.
Credits: 3
Prerequisites: ENG 102
Course Notes: Sophomore Standing.

JOUR 348 - PINHOLE TO CAMERAPHONE: PHOTOGRAPHY'S HISTORY AND PRACTICE
The history and practice of early, middle-period, and contemporary photography. Slide examples of the history of photography; hands-on work with pinhole cameras, large format cameras, digital cameras, and camera phones. Field trips to galleries and/or museums in the city to view examples of work presented in the class.
Credits: 3

JOUR 350 - EDITING
Emphasis on grammar, usage, copy editing, headline writing; overview of editorial processes and standards; introduction to layout and design, and photo editing. Recommended elective for journalism majors who choose no concentration.
Credits: 3
Prerequisites: ENG 102

JOUR 351 - PUBLIC OPINION & PROPAGANDA
Factors in public opinion formation; techniques and uses of public opinion polling; definition, identification, and socially positive and negative uses of propaganda.
Credits: 3
Prerequisites: COMM 201

JOUR 354 - PUBLICATION DESIGN
Theories of design and practical experience with creating layout and using photos and art in newspapers, magazines, newsletters, online publications. Students will use Adobe InDesign software for hands-on layout exercises. Students use InDesign software for design.
Credits: 3
Prerequisites: JOUR 220 or IMC 220

JOUR 355 - MAGAZINE WRITING
Research and writing of articles for the contemporary magazine.
Credits: 3
Prerequisites: JOUR 220 or IMC 220
JOUR 357 - MAGAZINE PRODUCTION
Research, writing, design, and production of magazine. Students learn
the use of Adobe InDesign for page layout and creation of a magazine
prototype.
Credits: 3
Prerequisites: JOUR 220 or IMC 220 or CRWR 153

JOUR 363 - LAW AND ETHICS
First Amendment rights and responsibilities; libel and slander; legal
access to public meetings and documents; restrictions on print and
broadcast media; newsgathering considerations; ethical decision making.
Journalism students register for a 3-credit-hour lecture and the 1-credit
hour Journalism discussion section.
Credits: 1,3
Prerequisites: COMM 201

JOUR 365 - BRAND STORYTELLING
The exciting and rapidly expanding field of content marketing. The variety
and styles of content marketing including big brands, niche storytelling,
video events, and nonprofit research papers. All content marketing
requires excellent reporting and writing skills. Students will practice
developing story ideas with particular brands and audiences in mind,
and for several different platforms including the web, social media, and
a customer magazine; in-depth research, reporting, and interviews; and
will learn how to tell a nonfiction story and to be cognizant of diversity,
cultural awareness, and fairness issues in branded reporting, design, and
editing.
Credits: 3
Prerequisites: IMC 220 or JOUR 220

JOUR 375 - MEDIA CRITICISM
Students use newspapers, magazines and the Internet in applying
contemporary criticism to current media issues and performance.
Emphasizes the social impact of mass media messages.
Credits: 3
Prerequisites: JOUR 201 or COMM 201
Course Notes: One additional 200-level JOUR or SPCH course is required.

JOUR 389 - NEW MEDIA AND TECHNOLOGY
Broad overview of current trends and new forms of media and technology
and their potential effects. Course focuses on the World Wide Web,
interactive media, online services, digital photography, and other current
topics. Lecture/lab, discussion, hands-on experience with computer
applications, including fundamentals of website design.
Credits: 3
Prerequisites: JOUR 220 or IMC 220 or MED 221
Course Notes: JOUR majors take JOUR 220; IMC majors take IMC 220,
MED majors take MED 221

JOUR 390 - TOPICS IN REPORTING & WRITING
Course content varies by term but may include Literary Journalism,
Feature Writing, Investigative Reporting, Editorial and Column Writing,
Magazine Writing, Business Writing, Personal Memoir Writing, Science/
Medical Writing, Covering Government, Review Writing, Technical Writing,
Business Writing, Newsletter Writing, Travel Writing, or Writing for Radio.
Credits: 3
Prerequisites: JOUR 220 or IMC 220
Course Notes: For more details, please click the, CRN number for this
course on the specific term schedule.
JOURNALISM AND MEDIA STUDIES (JMS)

JMS 203 - INTRODUCTION TO MEDIA THEORY
Body of theory in the study of media, including the content, form, consumption, and their effects. The course will assist students in developing critical thinking skills as they explore a range of theories that guide and ground media studies. The goal of this exploration is to make theory accessible so that students can develop a basic understanding of roles of theory in research and practice.
Credits: 3
Prerequisites: ENG 102

JMS 210 - WHAT IS TRUTH/FAKE NEWS?
There's no quick fix for the challenges of 'fake news' and 'alternative facts.' Course focuses on development of critical thinking skills needed to explore the boundaries, using newspapers, magazines, videos and internet resources, of our socially constructed, digital reality. This course looks at varied concepts of truth throughout history and across cultural contexts, with particular attention to similarities and differences with the modern, science-based concept of 'fact.'
Credits: 3
Prerequisites: ENG 102

JMS 219 - INTRODUCTION TO MEDIA PRODUCTION
Students apply technical knowledge and skills to multimedia production situations, sampling a variety of production work through active individual and team participation. Course may look at current topics such as media issues, professional multimedia production techniques, changing media technology, job market information.
Credits: 3
Prerequisites: COMM 201 (may be taken concurrently)

JMS 220 - MEDIA WRITING
News writing and reporting principles, interview techniques, classroom and outside writing practice; introduction to writing appropriate to print, broadcast and online journalism; fundamentals of writing, grammar, style. Course meets for five hours weekly and includes writing in lab.
Credits: 4
Prerequisites: COMM 201 (may be taken concurrently)

JMS 226 - PRODUCING FOR COLLEGE MEDIA
Students in this class serve as writers for the Torch, the weekly college newspaper, and for its website/they also may produce content for other student media, WRBC The Blaze radio station or RU Fire, the broadcast club. Students get hands-on experience in production, broadcast and online journalism and interact with students editors/producers. The class will be divided between classroom time and outside reporting.
Credits: 3
Prerequisites: ENG 102
Course Notes: Open to All Majors

JMS 230 - TELLING SOCIAL JUSTICE STORIES 2.0 HON
Black Lives Matter, Me Too, LGBTQ & You: Telling the stories of social justice in the 21st century. Combining age-old reporting and new-age digital technology, students will learn to capture the faces, voices and narratives of today's most visible social movements. Students will study the role of the media in advancing social movements. Course culminates in a final multimedia project. Learn how to tell professional quality stories that matter.
Credits: 3
Prerequisites: ENG 102
Course Notes: Lab/Course Fee $60.00

JMS 240 - DEMOCRACY: THE WORST FORM OF GOVERNMENT?
This course focuses on American democracy as a lived experience. Students will apply critical thinking to both confirm and challenge their concepts of, and beliefs about democratic government considering: the benefits of democracy; the flaws/limitations inherent in democracy; the citizen's obligations in a working democracy; courts and the rule of law; individual and group influence; the electoral system, its benefits and liabilities; and the role and responsibilities of media.
Credits: 3
Prerequisites: ENG 101

JMS 260 - RIDING THE RED LINE
Chicago's Red Line "L" train is a tale of two cities connected by one train: The system connects thousands of passengers to destinations daily but also demonstrates a stark disconnect, including a glaring mix of ethnic diversity and socio-economic gaps, as seen as rider demographics shift from one side of town to the other. Students will document their virtual Red Line journeys via observations through print and multimedia coverage.
Credits: 3
Prerequisites: ENG 102
Course Notes: C or better grade is required for students using, this course as elective in their majors in Integrated, Marketing Communications or Journalism, and Media Studies

JMS 282 - PHOTOJOURNALISM
Focus on building skills needed in producing images for today's media and in using technology for visual storytelling. Basic photographic techniques, including camera operation, lighting, composition, and photo reproduction techniques for print or computer-mediated applications. Emphasis on using the camera as a reporting tool. Basic use of digital imaging and editing software; ethical issues in photojournalism. Cameras provided by the department.
Credits: 3
Prerequisites: JMS 220 or JOUR 220 or IMC 220

JMS 290 - SPECIAL TOPICS: MEDIA STUDIES
Course content varies by semester but always focuses on current issues and/or diversity, alternative media, and social justice as they relate to media.
Credits: 3
Prerequisites: COMM 201

JMS 305 - VIDEO PRODUCTION
This course will introduce students to the technology and techniques necessary to bring news reports to life in video for use on news websites or an array of other news media outlets. Students will learn how to collect, edit and present broadcast quality videos to complement news reports across a variety of subjects.
Credits: 3
Prerequisites: IMC 220 or JMS 220

JMS 307 - VISUAL STORYTELLING
An exploration of visual storytelling, including documentary and journalistic work. Camera usage, concepts and techniques, shooting assignments, slide lectures, and computer work using photo and video editing programs. No previous photography or video experience required. Cameras will be provided for the semester.
Credits: 3
Prerequisites: COMM 201
Course Notes: Previously offered as 'DOCUMENTARY VIDEO STORYTELLING'
JMS 310 - HISTORY OF JOURNALISM
Development of journalism from European antecedents of the American colonial press through trends developing during the 21st century. Examines US newspapers, magazines, radio, television, and other media.
Credits: 3
Prerequisites: ENG 102

JMS 319 - MULTIMEDIA REPORTING
Field reporting course with emphasis on writing detailed or complex stories from student-initiated beat coverage, interviews, on- or off-campus events, and assignments; research and writing from documents and press conferences.
Credits: 3
Prerequisites: JOUR 220 or IMC 220 or JMS 220

JMS 321 - PHOTOBOK HISTORY & PRACTICE
History and practice of the photobook. Students will photograph a major subject over the course of the semester, edit the photographs, and layout and publish a photobook. Basic Photoshop, camera technique, and the history of the photobook will also be covered. Both film and digital cameras can be used for the course.
Credits: 3
Prerequisites: COMM 201

JMS 322 - FEATURE WRITING
Reporting and writing of short- and long-form articles, including profiles, for newspapers, magazines, online media; using observation, conversation, description and character/plot development in writing journalistic article.
Credits: 3
Prerequisites: IMC 220

JMS 325 - PHOTOGRAPHY
Introduction to black and white film-based photography. Basic camera and darkroom techniques. Cameras provided by the department. Students provide some supplies.
Credits: 3

JMS 328 - DOCUMENTARY PHOTOGRAPHY
An exploration of documentary photography consisting of camera usage, shooting assignments, slide lectures, and computer work using Photoshop. No previous photography experience required. Cameras will be provided for the semester. This course will introduce the computer as a powerful tool for the photographer. We will discuss the ethical, philosophical and practical considerations regarding digital imaging. We will be using flat-bed scanners, 35mm slide and negative scanners, and digital cameras for inputting images into the computer. Adobe Photoshop will be our primary imaging program.
Credits: 3
Prerequisites: COMM 201
Course Notes: C or better grade required to use in, majors in Department of Communication.

JMS 329 - WHITENESS IN A GLOBAL SOCIETY
Team-taught course in sociology and journalism. International travel course exploring Whiteness in NZ and Australia. This is a six-credit course with instruction split between the classroom and instruction time during travel. During travel, students are required to attend all scheduled visits to museums, libraries, lectures, and other sites. Students are required to keep a travel (field notes/reporting) journal and to make daily entries during the trip.
Credits: 6
Prerequisites: ENG 102

JMS 330 - IPHONE/DEMOCRATIC CAMERA
Everyone is a photographer and cameraphones are everywhere. This course will explore the creative and ethical implications of using the iPhone as an artistic and journalistic tool. Students must have an iPhone 8 or newer to enroll in the course, and will be expected to download various photography apps for use in the class. We will use the iPhone to create, edit, and post photographic work online. Students will learn a new set of photographic standards, applications, and practices through individual and group shooting assignments, readings, examples of contemporary photographic work, and excursions to galleries and museums.
Credits: 3
Prerequisites: COMM 201

JMS 339 - WRITING: THE DOCUMENTARY AESTHETIC
Course will examine the influence of the documentary aesthetic on American literature and consider, as well, the problems of documentary, the questions of representation and ethics that haunt it. Study of what the documentary tradition can give to contemporary nonfiction, how today's writers can transform documentary to suit their times and their purposes. Students are expected to complete a polished piece of documentary nonfiction and a critical paper.
Credits: 3
Prerequisites: JOUR 220 or IMC 220 or ENG 153

JMS 342 - POLITICS: ON THE TRAIL OF THE PRIMARY
This is a rotating Journalism topics course dealing with journalistic writing and reporting on coverage of politics in America. Every fourth year, concurrent with the presidential election cycle, this course will center on either the primaries (spring) or election (fall). In other years, this course will deal with journalistic coverage of other political matters, congressional or mayoral elections, or in general politics and the media.
Credits: 3
Prerequisites: ENG 102

JMS 343 - PRODUCING DOC PHOTO EXHIBITION
Conceptualizing, editing, and producing a documentary photography exhibition using student and/or professional work. Working together, students will generate ideas for an exhibition in the Gage Gallery, locate/produce work, and install the project in the gallery. The class will focus on the practice of curating a photography exhibition, which will include developing a theme and choosing work, writing statements/artist biographies, and promoting the exhibit to the community.
Credits: 3

JMS 344 - CROSSCULTURAL COMMUNICATION
Communication styles and characteristics of various cultural groups. Understanding and recognizing barriers (semantics, nonverbal behavior, stereotypes, and assumed similarities) that affect communication among cultures. Fulfills the non-Western requirement.
Credits: 3
Attributes: Humanities, Non-western Culture
Prerequisites: ENG 102

JMS 348 - PINHOLE TO CAMERA PHONE
The history and practice of early, middle-period, and contemporary photography. Slide examples of the history of photography; hands-on work with pinhole cameras, large format cameras, digital cameras, and camera phones. Field trips to galleries and/or museums in the city to view examples of work presented in the class.
Credits: 3
Course Notes: Lab fee $60
JMS 350 - EDITING
Emphasis on grammar, usage, copy editing, headline writing; overview of editorial processes and standards; introduction to layout and design, and photo editing. Recommended elective for journalism majors who choose no concentration.
Credits: 3
Prerequisites: ENG 102

JMS 351 - PUBLIC OPINION & PROPAGANDA
Factors in public opinion formation; techniques and uses of public opinion polling; definition, identification, and socially positive and negative uses of propaganda.
Credits: 3
Prerequisites: COMM 201

JMS 354 - PUBLICATION DESIGN
Theories of design and practical experience with creating layout and using photos and art in newspapers, magazines, newsletters, online publications. Students will use Adobe InDesign software for hands-on layout exercises. Students use InDesign software for design.
Credits: 3
Prerequisites: JOUR 220

JMS 355 - MAGAZINE WRITING
Research and writing of articles for the contemporary magazine.
Credits: 3
Prerequisites: JOUR 220 or IMC 220 or CRWR 153

JMS 357 - MAGAZINE PRODUCTION
Research, writing, design, and production of magazine. Students learn the use of Adobe InDesign for page layout and creation of a magazine prototype.
Credits: 3
Prerequisites: JOUR 220

JMS 363 - LAW AND ETHICS
First Amendment rights and responsibilities; libel and slander; legal access to public meetings and documents; restrictions on print and broadcast media; newsgathering considerations; ethical decision making.
Journalism students register for a 3-credit-hour lecture and the 1-credit hour Journalism discussion section.
Credits: 3
Prerequisites: COMM 201

JMS 365 - BRAND STORYTELLING
The variety and styles of content marketing including big brands, niche storytelling, video events, nonprofit research papers. Content marketing requires excellent reporting and writing skills: Students will develop story ideas for particular brands, audiences and platforms including the web, social media, and a customer magazine; will conduct research, reporting, and interviews; and will learn to tell nonfiction stories while cognizant of diversity, cultural awareness, and fairness in reporting, design, editing.
Credits: 3
Prerequisites: JOUR 220 or IMC 220 or JMS 220

JMS 373 - EXAMINING MEDIA ETHICS
An investigation of mass-mediated communication, and information as a mass commodity, on values, particularly the value of truth. In an age of information glut, where every possible point of view is represented, all points of view appear to have the same value. Having 'values' demands the evaluation of ideas—seeing which ones are 'better' than others. This course seeks to help the student find certainty in a culture of confusion.
Credits: 3
Prerequisites: ENG 102

JMS 375 - MEDIA CRITICISM
Students use newspapers, magazines and the Internet in applying contemporary criticism to current media issues and performance. Emphasizes the social impact of mass media messages.
Credits: 3
Prerequisites: COMM 201

JMS 380 - MEDIA RESEARCH METHODS
Students will learn the advantages and disadvantages of a number of quantitative and qualitative research methods, identify a research question and thesis, review the literature related to their area of research interest, and outline their continuing work in addressing their question and supporting – or refuting – their thesis. Work this semester leads to a proposal for a research project to be executed in the Spring semester (JMS 381).
Credits: 3
Prerequisites: COMM 201 and (JMS 203 or MED 203)

JMS 381 - MEDIA STUDIES RESEARCH PROJECT
Students previously completed in MED 380 the first steps in the research process: identified a topic, reviewed literature, identified an appropriate method, and submitted a proposal. In MED 381, students focus on the remaining tasks in the research process: collection of data, analysis and evaluation of data, discernment of an answer to the research question, writing a conclusion, writing an introduction, and presentation of the research.
Credits: 3
Prerequisites: JMS 380 or MED 380

JMS 390 - TOPICS IN REPORTING & WRITING
Course content varies by term but may include Literary Journalism, Feature Writing, Investigative Reporting, Editorial and Column Writing, Magazine Writing, Business Writing, Personal Memoir Writing, Science/Medical Writing, Covering Government, Review Writing, Technical Writing, Business Writing, Newsletter Writing, Travel Writing, or Writing for Radio.
Credits: 3
Prerequisites: JMS 381

JMS 392 - THE MULTIMEDIA PROJECT
Capstone course for journalism majors, focusing on production of a final reporting project on a selected topic and presented in print, video, and web formats.
Credits: 3
Prerequisites: JOUR 319 or JMS 319

JMS 395 - INDEPENDENT STUDY
Independent projects in journalism and media studies in which students work closely with a faculty supervisor. Students must consult faculty first on their project ideas, then plan for their independent project in consultation with their faculty supervisor. The faculty supervisor must be designated before the student registers for the independent study.
Credits: 1-3
Prerequisites: JMS 220
Course Notes: Consent of instructor and department chair.

JMS 399 - MEDIA INTERNSHIP
In-service training with a professional media operation in print, online or broadcast media operations. Students must successfully complete academic reflections and evaluations during their internship term, in addition to successfully completing a single internship totaling at least 200 on-the-job hours, to receive 3 hours of credit. See internship coordinator or departmental office for syllabus.
Credits: 3
Prerequisites: JOUR 305 or JMS 305
**JMS 399P - THE PROFESSIONAL INTERNSHIP**
Approval of internship coordinator required. This course is designed for students preparing to take the internship course for full (3 hours) credit. Covers internship search strategies, resume preparation, interviewing skills.
Credits: 0
Prerequisites: JMS 220

**JMS 399Y - INTERNSHIP CONTINUATION**
Available only to students currently carrying over registration (with an ‘incomplete’ or ‘in progress’ grade) for the credit-bearing JMS 399 Internship course. JMS 399Y is available for students needing to extend their original registration to complete their internship work. Students who wish to register for JMS 399Y should consult the internship coordinator, as this registration requires an additional form and the department chair’s approval.
Credits: 0
Prerequisites: (JMS 220 or JMS 305) and JMS 399 (may be taken concurrently)
**MGMT 300 - OPERATIONS MANAGEMENT**
Problems, principles, and methods of analysis related to production and operations management of industrial and service organizations. Forecasting; capacity planning; facilities location and layout; inventory analysis; scheduling; simulation; and quality assurance.
Credits: 3
Prerequisites: ACCT 211 and MATH 110 and (MATH 217 or ECON 234 or PSYC 200)
Course Notes: ECON 102 recommended

**MGMT 305 - SOCIAL ENTREPRENEURSHIP I: CREATING THE VISION**
This course is for students who will found or lead businesses that also have a social mission, or will advise or work with social entrepreneurs, as they seek to jointly create social and business value. It is the goal of this course to prepare students to lead companies that have embedded social missions and to engage various stakeholders that are at the nexus of business and social value.
Credits: 3
Prerequisites: MGMT 305 or SENT 305

**MGMT 306 - SOCIAL ENTREPRENEURSHIP II: IMPLEMENTATION**
In Social Entrepreneurship II, we actually become social entrepreneurs by studying the everyday structural, legal and financial challenges associated with launching a business enterprise in its efforts to create social impact. Students will take their business model from Social Entrepreneurship I, and further develop it by performing additional market research, prototyping and practicing continuous investor initiatives. Students will work through issues of market analysis, technology viability assessment, competitive positioning, team building, product life cycle planning, marketing strategy and financing, with a major emphasis on learning how to attract investment capital.
Credits: 3
Prerequisites: MGMT 305 or SENT 305

**MGMT 308 - ETHICAL LEADERSHIP AND CORPORATE SOCIAL RESPONSIBILITY**
Issues that affect business firms and managers in modern society examined through the frameworks of business ethics and corporate social responsibility. Topics include environmental pollution, employee rights and responsibilities, discrimination/affirmative action, and activities of multi-national corporations.
Credits: 3

**MGMT 311 - INDUSTRIAL RELATIONS MANAGEMENT**
Survey of industrial relations. Collective bargaining, arbitration, and mediation; communication between management and labor; recent labor legislation.
Credits: 3
Prerequisites: HRM 311

**MGMT 345 - BUSINESS FORECASTING**
Methods of business forecasting for planning and decision making. Emphasis on computer and statistical models; current forecasting tools and practices.
Credits: 3
Prerequisites: MGMT 300 and ECON 234

**MGMT 355 - SUPPLY CHAIN MANAGEMENT**
In the global economy, working in isolation is a prescription for disaster. Supply chains create the interdependence between companies that can lead to higher profitability, and long-term survival. This course deals with the modern approach to understanding supply chain strategy, planning and organization at the local, national and international levels. It addresses the widening role of logistics and the importance of technology for effective operations. Students will prepare several cases followed by in-class presentations and written reports.
Credits: 3

**MGMT 358 - ORGANIZATIONAL BEHAVIOR**
Historical, social, and psychological factors associated with various organizational structures; human consequences of various organizational arrangements; techniques and programs by which organizations may be modified or designed. Also available through RU Online.
Credits: 3
Course Notes: The old title of this course was, Behavioral Science and Organization Theory

**MGMT 360 - SURVEY OF INTERNATIONAL BUSINESS**
Problems and opportunities for American business resulting from internationalization of the US economy. Economic, political, and cultural environments facing business; diplomacy; global sourcing and production; functional areas of accounting and taxation, finance, management, and marketing.
Credits: 3
Prerequisites: ECON 101 and ECON 102
Course Notes: This course was previously offered as BADM 360.

**MGMT 380 - BUSINESS POLICY AND STRATEGY**
Study of top management decision making, including strategy and policy making; integration of functional divisions of organizations through analysis of and solutions to complex business situations. BSBA Capstone Course.
Credits: 3
Prerequisites: MGMT 300 and MGMT 358 and MKTG 302 and FIN 311
Course Notes: This course was previously offered as BADM 380.

**MGMT 388 - PROJECT MANAGEMENT**
Managerial approaches to conducting projects from inception to completion. Systems and procedures, including planning fundamentals, scheduling, resource estimation, evaluation and review techniques, managing risk; control and team development. Cross-listed with INFS 388.
Credits: 3
Prerequisites: INFS 330

**MGMT 390 - SPECIAL TOPICS IN MANAGEMENT**
This course allows students to explore the entrepreneurial mindset and it offers a practical blueprint for thinking and acting in environments that are fast-paced, rapidly changing, and highly uncertain. The course provides both a guide to energizing the organization and to continually discovering business opportunities. The students will learn and apply the principles needed for successful entrepreneurship and a set of entrepreneurial practices to gain and maintain a competitive advantage.
Credits: 3

**MGMT 395 - INDEPENDENT STUDY**
Students work under direction of management faculty on a project selected by student and approved by supervising faculty member, department chair, and college dean.
Credits: 1-3
Course Notes: Consent of Instructor and Academic Head
MGMT 398 - ORGANIZATIONAL DEVELOPMENT
Diagnosis of organizational problems involving employees, work groups, and corporate culture and structure; implementation of change in a company's human systems; alternative solutions to these problems. Available through External Studies Program.
Credits: 3
Prerequisites: MGMT 358

MGMT 399 - PROFESSIONAL MANAGEMENT INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to undergraduate business program.
Credits: 1-3
Course Notes: Internship requirements vary by assignment; consent is, required by the instructor.
MARKETING (MKTG)

MKTG 302 - PRINCIPLES OF MARKETING
Character and importance of marketing process and its essential functions, activities, and concepts; how goods and services flow from producer to consumer/user. Economic, sociological, and psychological factors affecting managerial decision making in dynamic environment of marketplace.
Credits: 3

MKTG 324 - SALES MANAGEMENT
Examines the elements of an effective sales force as a key component of the organization's total marketing effort. Includes understanding the sales process, the relationship between sales and marketing, sales force structure, customer relationship management (CRM), uses of technology to improve sales force effectiveness, and issues in recruiting, selecting, training, motivating, compensating and retaining sales people.
Credits: 3
Attributes: Mathematics
Prerequisites: MKTG 302

MKTG 331 - PRINCIPLES OF ADVERTISING
Credits: 3
Prerequisites: MKTG 302

MKTG 340 - MARKETING RESEARCH
Role of marketing research in contemporary marketing. Identification of major secondary sources of marketing information. Research process from study design through data analysis. Qualitative and quantitative techniques.
Credits: 3
Prerequisites: MKTG 302 and (PSYC 200 or MATH 217 or ECON 234)

MKTG 340R - MKT PROB/APPS
This course covers the analysis of marketing problems and information required by the marketing manager to make a set of decisions. Cases used will explore whole marketing strategy, marketing information and forecasting, product and brand management decisions, distribution decisions, promotion decisions, pricing decisions and ethical aspects of marketing. (Prerequisites: Senior standing and MKT 305 or the equivalent; recommended: ACC 300)
Credits: 3
Prerequisites: MKT 305

MKTG 344 - MARKETING STRATEGY & PLANNING
Relationships between strategic management and strategic marketing. Marketing planning process; analysis, setting of objectives, evaluation of strategies and tactics, implementation, and control of marketing plans.
Credits: 3
Prerequisites: MKTG 340 and (MKTG 324 or MKTG 331)

MKTG 342 - INTERNATIONAL MARKETING STRATEGIES
Strategies for dealing with various foreign markets. Social and cultural differences as elements in marketing products effectively abroad.
Marketing in age of free trade imperatives.
Credits: 3
Prerequisites: MKTG 302

MKTG 370 - GLOBAL MKT PRAC
This course examines the practices that constitute marketing to customers in worldwide markets. Topics addressed include major trade agreements (GATT, NAFTA, etc.), market entry strategies, cross-cultural marketing research and ethnocentrism. This course applies the elements of the marketing mix (Product, price, promotion and distribution) in the context of international trade. (Prerequisites: Senior standing and MKT 305 or the equivalent)
Credits: 3
Prerequisites: MKT 305

MKTG 380 - SPECIAL TOPICS IN MARKETING
Topics of interest to faculty and students on important issues in marketing. Check class schedule for specific topics and prerequisites by clicking on the red five-digit CRN.
Credits: 3

MKTG 386 - CONSUMER BEHAVIOR
Concepts in behavioral science for analysis of consumer behavior and informed marketing decisions.
Credits: 3
Prerequisites: MKTG 302

MKTG 390 - SPORTS MARKETING
This course will look at sports entertainment as the service product it is. It will focus on the strategic marketing process and the marketing mix as it applies to the sports industry. It will look at the various internal and external environments that the different sports industries compete in. Topics to be investigated include sponsorships of the various elements of each sport, targeting of specific spectators as consumers, and the specific application of the promotional mix in a sports environment.
Credits: 3
Prerequisites: MKTG 302

MKTG 398 - PROFESSIONAL MARKETING INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to undergraduate business program.
Credits: 1-3
Course Notes: Internship requirements vary by assignment; consent is, required by the instructor.
MATH 010 - MATHEMATICAL FOUNDATIONS
This class covers the fundamentals of arithmetic and algebra: Whole numbers; Fractions; Decimals; Ratios; Rates; Percents; Proportional Reasoning; Measurement; Real numbers; Variables; Solving linear equations; Graphing Linear equations. This course is taken concurrently with either MATH 110 or MATH 105 and focuses on skills needed for success in these courses. Course does not count toward required credit hours for undergraduate degrees; it is considered 3-credits for purposes of billing and determining student full-time/part-time status.
Credits: 3
Course Notes: Must be taken concurrently with either Math 105 or Math 110.

MATH 021 - ALGEBRAIC FOUNDATIONS
This class covers the fundamentals of Solving linear equations; Graphing Linear equations; Solving systems of linear equations; Algebra with polynomials; Factoring polynomials; Rational Expressions; Algebra with Rational expressions; Roots; and Radicals. This course is taken concurrently with either MATH 121 and focuses on skills needed for success in College Algebra. Course does not count toward required credit hours for undergraduate degrees; it is considered 3-credits for purposes of billing and determining student full-time/part-time status.
Prerequisites: MATH 121 (may be taken concurrently)
Course Notes: Must be taken concurrently with Math 121

MATH 095 - DEVELOPMENTAL MATHEMATICS
This class covers the fundamentals of arithmetic and algebra: Whole numbers; Fractions; Decimals; Ratios; Rates; Percents; Measurement; Geometry; Statistics; Real numbers; Variables; Solving linear equations; Graphing Linear equations; Solving systems of linear equations; Algebra with polynomials; Factoring polynomials; Solving Quadratic equations. The focus will be on concepts, skills, and abilities needed for success in subsequent math courses. This course is a prerequisite for Math 110, 105, 115, and 116. This course is self-paced with individualized assistance. Course does not count toward required credit hours for undergraduate degrees; it is considered 3-credits for purposes of billing and determining student full-time/part-time status.
Credits: 3

MATH 096 - DEVELOPMENTAL MATH FOR COLLEGE ALGEBRA
This class covers the fundamentals of arithmetic and algebra: Whole numbers; Fractions; Decimals; Ratios; Rates; Percents; Measurement; Geometry; Statistics; Real numbers; Variables; Solving linear equations; Graphing Linear equations; Solving systems of linear equations; Algebra with polynomials; Factoring polynomials; Rational Expressions; Algebra with Rational expressions; Roots; and Radicals. The focus will be on concepts, skills, and abilities needed for success in subsequent math courses. This course is a prerequisite for Math 121. This course is self-paced with individualized assistance. Course does not count toward required credit hours for undergraduate degrees; it is considered 3-credits for purposes of billing and determining student full-time/part-time status.
Credits: 3

MATH 105 - FOUNDATIONS OF ARITHMETIC
This course helps prospective elementary teachers prepare for the Common Core State Standards. Topics include: sets, counting, problem solving, and number system development; Rationals, decimals, and irrationals; Number theory; Algorithms of arithmetic.
Credits: 3
Course Notes: Prerequisites: MATH 095 or MATH 096, RUA placement score or concurrent enrollment in Math 101.

MATH 110 - QUANTITATIVE LITERACY
The goals of this course are to create confident and critical users of quantitative information, to be able to describe and interpret quantitative information and arguments, and to apply mathematical tools to analysis of data on social issues. Topics include absolute and relative quantities, percentages, rates, and ratios, linear and exponential functions, making and interpreting graphs, and financial mathematics.
Credits: 3
Course Notes: Prerequisites: MATH 010 or MATH 095 or MATH 096, MathPrep or, placement by RUA or ACT or SAT.

MATH 110R - INTER ALGEBRA
INTER ALGEBRA
Credits: 3

MATH 115 - QUANTITATIVE & SPATIAL REASONING
This course helps prospective elementary, middle school, and early childhood teachers prepare for the Common Core State Standards. Topics include: Geometry, measurement, probability, statistics, data analysis, and problem solving.
Credits: 3
Prerequisites: MATH 095 or MATH 096 or Compass-Algebra with min score of 37., or ACCM score of 41 or higher.
Course Notes: Prerequisites: MATH 095 or MATH 096, or Compass-Algebra with min score of 37., or MATH 101

MATH 116 - FINITE MATHEMATICS
This course is intended for business majors to expand their mathematical skills and apply them in real world situations. Linear equations and applications; functions and graphs; solving systems of linear equations; matrices; graphing of linear inequalities; Linear Programming; finance problems including simple and compound interest; sets; combinatorial methods; probability with applications.
Credits: 3
Prerequisites: MATH 095 or MATH 096 or Compass-Algebra with min score of 37, or ACCM score of 41 or higher.
Course Notes: Prerequisites: MATH 095 or MATH 096, or Compass-Algebra with min score of 37, or MATH 101

MATH 121 - COLLEGE ALGEBRA
This course will strengthen your algebraic skills and prepare you to apply algebraic techniques to future math, science, computer science, and business courses. Topics include: Algebraic operations, equations and inequalities, graphs and functions, polynomial functions, polynomial equations. Exponential and logarithmic functions. Systems of equations.
Credits: 3
Course Notes: Math 096 or placement by RUA, or ACT, or SAT, or concurrent enrollment in Math 021.
MATH 222 - TRIGONOMETRY AND PRECALCULUS
Credits: 3
Prerequisites: MATH 121
Course Notes: RUA placement score or SAT/ACT placement scores or MathPrep.

MATH 160 - MATH PHARMACY
MATH PHARMACY
Credits: 3

MATH 170 - MATH NURSING
This course is designed to assist nursing students in the mastery of drug dosage calculations across the lifespan, a necessary competency for the safe and accurate administration of medications. A variety of methods will be used to teach drug dosage calculation including dimensional analysis and the ratio-proportion method.
Credits: 3

MATH 202 - APPLIED CALCULUS FOR HEALTH SCIENCE AND BUSINESS
Real valued functions and their graphs, exponential and logarithmic functions, derivatives, techniques of differentiation, applications of derivatives to science and business, modeling using calculus, optimization, integration with applications.
Credits: 3
Prerequisites: MATH 121
Course Notes: or RUA placement., This course does not serve as a prerequisite for Math 232., Credit cannot be given for both this and Math 231.

MATH 217 - ELEMENTARY STATISTICS
This course applies statistical techniques to problems in the social sciences and business. Elementary probability and probability distributions, random variables, expectation and variance; normal probability distributions (binomial distributions, time-permitting). Applications to estimation, confidence intervals, statistical testing of hypotheses, two-sample techniques. Correlation and least squares.
Credits: 3
Prerequisites: MATH 110 or MATH 116 or MATH 121
Course Notes: Cross-listed with ECON 234 and SOC 291., RUA placement score or SAT/ACT placement scores.

MATH 218 - ELEMENTARY STATISTICS LAB
The course incorporates collaborative learning, oral and written reports and technology. Emphasizes techniques, exploration and applications rather than derivation. All projects will use real data and conclusions are not predetermined. Topics include methods of summarizing data, statistical inference and regression.
Credits: 1
Attributes: Honors Program
Prerequisites: MATH 217 (may be taken concurrently) and (MATH 110 or MATH 116 or MATH 121)
Course Notes: Must be taken concurrently with MATH 217, ECON 234, or, SOC 291

MATH 231 - CALCULUS I
Functions, limits, continuity, and rates of change are studied numerically, symbolically, and graphically. Definition and rules of differentiation; applications of the derivative to analyzing functions, solving equations, computing extrema, and L’Hopital’s rule; antiderivatives. Introduction to integration and the fundamental theorem of calculus.
Credits: 5
Prerequisites: MATH 121
Course Notes: RUA placement score or SAT/ACT placement scores or MathPrep.

MATH 232 - CALCULUS II
Integration and the fundamental theorem of calculus. Numerical integration, application and methods of integration; Euler’s method; Taylor polynomials, sequences, and series. Application of calculus through a social justice oriented project.
Credits: 5
Prerequisites: MATH 231

MATH 233 - CALCULUS III
Polar and three-dimensional coordinates, vectors, planes, and surfaces; functions of several variables; continuity, partial derivatives, gradients, chain rules, multiple integrals, line integrals.
Credits: 3
Prerequisites: MATH 232

MATH 245 - DISCRETE STRUCTURES
Sets, logic and Boolean algebras. Basic counting techniques; number systems; elementary probability; graphs and trees with applications to elementary data structures. Emphasis on algorithms. Mathematics majors should take MATH 290 concurrently.
Credits: 3
Prerequisites: MATH 121 or Compass-College Algebra with min score of 45 or MATH 231
Course Notes: and one programming course required for students who, have not completed MATH 231.

MATH 246 - LINEAR ALGEBRA
Vector spaces; linear transformations and matrices; inner products and orthogonality; eigenvalues; eigenvectors; and diagonalization.
Credits: 3
Prerequisites: MATH 231 or MATH 245 or MATH 290

MATH 290 - INTRODUCTION TO PROOF
Methods of mathematical proof including direct proofs, indirect proofs, mathematical induction, case analysis, and counterexamples. MATH 245 should be taken concurrently.
Credits: 1
Prerequisites: MATH 245 (may be taken concurrently)
Course Notes: Co-requisite MATH 245 Discrete Structures Lab.

MATH 295 - INDEPENDENT STUDY
Individual projects pursued under an instructor’s supervision.
Credits: 1-3

MATH 305 - SCIENCE OF CHANCE
This course will focus on understanding the different types of probability and their applications to biology, genetics, psychology, gaming, gambling, lottery, etc. Through experience-based learning activities, students will study and apply probability topics such as odds of winning (losing), conditional probability, and making predictions. Graphing calculations and/or a statistical computing package will be utilized.
Credits: 3
MATH 307 - DIFFERENTIAL EQUATION/MODELING
The use and interpretation of differential equations using qualitative methods and computers. First and second order linear equations, with attention to some nonlinear ones; systems of equations; numerical methods; Laplace transforms. An emphasis is placed on modeling.
Credits: 3
Prerequisites: MATH 232

MATH 309 - DATA MINING
Methods of knowledge discovery in massive data, i.e. the study of computer-assisted process of digging through and analyzing enormous data sets and then extracting the 'meaning' of the data by applying mathematical methods. The methods that we study in this course are designed to predict behaviors and future trends based on existing data. Topics include classifications techniques, clustering techniques, association rule discovery techniques, techniques for improving data quality. See Cst 309.
Credits: 3
Prerequisites: (MATH 246 or ACSC 246) and MATH 217 or ECON 234 or SOC 291 or MATH 347 or ACSC 347

MATH 311 - BIOSTATS
This course is an introduction to the use of biostatistics in describing and analyzing data as it relates to life sciences, epidemiology and health outcomes analysis. Through experience-based learning activities, students will study and apply measures of central tendency, variation and position, probability distributions, sampling methods, confidence intervals, hypothesis testing and survival analysis with significant utilization of a statistical computing package. (Prerequisite: MAT 170 or MAT 172)
Credits: 3
Prerequisites: MAT 170 or MAT 172

MATH 316 - HISTORY OF MATHEMATICS
Evolution of mathematical ideas from antiquity through the development of calculus; Number systems, Euclidean geometry, Number theory, Roots of polynomials, Calculus.
Credits: 3
Prerequisites: MATH 231

MATH 317 - GEOMETRY
Axiom systems, Classical constructions, Euclidean geometry, Non-Euclidean geometry, Transformations, Use of geometric software packages.
Credits: 3
Prerequisites: MATH 231 or (MATH 245 and MATH 122) or MATH 290

MATH 318 - NUMBER THEORY
Study of integers. Division and Euclidean algorithms, prime numbers, unique factorization; Diophantine equations; congruences; Fermat's and Euler's theorems; quadratic reciprocity.
Credits: 3
Prerequisites: MATH 231 or MATH 245 or MATH 290

MATH 320 - INTRODUCTION TO ABSTRACT ALGEBRA
Introduction to group theory; Classification of finitely generated abelian groups; Permutation groups; Applications of groups; Elementary properties of rings, integral domains, and fields.
Credits: 3
Prerequisites: (MATH 246 or ACSC 246) and (MATH 245 or MATH 290)
Course Notes: MATH 245 with LAB required to meet pre-req.

MATH 320R - STATISTICS
This course is an introduction to the use of statistics in describing and analyzing data. Through experience-based learning activities, students will study and apply collecting, analyzing, interpreting and drawing conclusions from data through graphical measures, measures of central tendency, variation and position, correlation, regression, probability distributions, confidence intervals and hypothesis testing with significant utilization of a statistical computing package. (Prerequisite: MAT 210)
Credits: 3
Prerequisites: MAT 210

MATH 323 - COOPERATION AND COMPETITION -- GAME THEORY AND APPLICATIONS
Study of the ways in which strategic interactions among autonomous agents produce outcomes with respect to the preferences (or utilities) of those agents. This course covers game-theoretic foundations of cooperative and non-cooperative behavior of independent agents. The course emphasizes applications drawn from artificial intelligence, decision theory, economics, psychology, business management and finance. See Cst 310.
Credits: 3
Prerequisites: (MATH 246 or ACSC 246) and MATH 245 or MATH 217 or ECON 234 or SOC 291 or MATH 347 or ACSC 347

MATH 328 - LINEAR PROGRAMMING & OPTIMIZATION
Models of optimization with linear constraints and objectives; simplex method and related algorithms; duality and sensitivity; transportation and assignment problems, games, and network flows. Computer use course.
See Cst 328.
Credits: 3
Prerequisites: MATH 246 or ACSC 246

MATH 337 - THEORY OF COMPUTATION
An introduction to the theoretical foundations of computing. The definition and nature of computational problems and algorithms. The properties of problems that are inherently hard to solve and problems that cannot be solved at all. Use of randomness in computation. See Cst 337.
Credits: 3
Prerequisites: MATH 245 or MATH 290 or MATH 246 or ACSC 246

MATH 339 - BASEBALL STATISTICS
Models and research methods developed or adapted for use by baseball statisticians; including descriptive statistics, confidence intervals, hypothesis testing, regression, Bayesian statistics, and Markov chains. Presentation of several tools for teaching statistical concepts using data from baseball.
Credits: 3
Prerequisites: (MATH 246 or ACSC 246) and MATH 217 or ECON 234 or SOC 291 or MATH 347 or ACSC 347
Course Notes: Basis background in Statistics and Linear Algebra, recommended.

MATH 347 - PROBABILITY THEORY
Probability models; random variables; probability distributions; expectation and moment generating functions of random variables; multivariate distributions. See Acsc 347.
Credits: 3
Prerequisites: MATH 233 (may be taken concurrently)
Course Notes: or concurrent.
MATH 348 - MATHEMATICAL STATISTICS
Continuation of Math/ACSC 347. Distributions of functions of random variables, sampling distributions; Central Limit Theorem; point estimators and confidence intervals; hypothesis testing; linear models. See ACSC 348.
Credits: 3
Prerequisites: MATH 347 or ACSC 347

MATH 349 - REGRESSION & TIME SERIES
Simple and multiple linear regression models; time series analysis; applications to forecasting; statistical software. See ACSC 349.
Credits: 3
Prerequisites: (MATH 231 and (MATH 217 or ECON 234 or SOC 291)) or ACSC 348 or MATH 348

MATH 352 - ANALYSIS
Theoretical foundations of calculus. The real number system; sequences and series; continuity; uniform continuity; sequences and series of functions; uniform convergence; Riemann integral. At least six hours beyond Math 245 recommended.
Credits: 3
Prerequisites: MATH 233 and MATH 290 and MATH 245
Course Notes: MATH 246 recommended.

MATH 355 - FUNCTIONS OF A COMPLEX VARIABLE
Elementary functions of complex variables; complex differentiation and integration; Cauchy-Goursat theorem; Taylor and Laurent series; singularities and residues; conformal mapping.
Credits: 3
Prerequisites: MATH 233 and (MATH 245 or MATH 290)
Course Notes: MATH 246 recommended.

MATH 367 - FINANCIAL MATH
Mathematics of interest, accumulated value, and present value; annuities certain; amortization schedules and sinking funds; bonds and related securities; depreciation; rates of return; spot and forward rates of interest; cashflow duration and immunization; stocks, mutual funds, fixed income. Financial calculator. See ACSC 367.
Credits: 3
Prerequisites: MATH 232

MATH 369 - MODELS FOR LIFE CONTINGENCIES
Survival distributions and life tables; life insurance; life annuities; benefit premium; premium calculation. See ACSC 369.
Credits: 3
Prerequisites: (ACSC 347 or MATH 347) and (ACSC 367 or MATH 367 (may be taken concurrently))
Course Notes: or concurrently.

MATH 389 - SPECIAL TOPICS
Course content varies. May be repeated for up to six semester hours credit.
Credits: 1,3
Prerequisites: MATH 231 or MATH 245

MATH 390 - INDUSTRIAL RESEARCH PROBLEMS
Students work on a semester long research project solving a real world problem from industry using various methods of mathematical modeling. Problems vary by semester.
Credits: 3
Prerequisites: MATH 232
Course Notes: Capstone

MATH 395 - INDEPENDENT STUDY
Individual projects pursued under an instructor's supervision.
Credits: 1-6
MEDI A STUDIES (MED)

MED 203 - INTRODUCTION TO MEDIA THEORY
Body of theory in the study of media, including the content, form, consumption, and their effects. The course will assist students in developing critical thinking skills as they explore a range of theories that guide and ground media studies. The goal of this exploration is to make theory accessible so that students can develop a basic understanding of roles of theory in research and practice.
Credits: 3
Prerequisites: ENG 102
Course Notes: Media Studies majors and minors are advised, to complete COMM 201 concurrently, as, the class is required to proceed with the program.

MED 210 - WHAT IS TRUTH/FAKE NEWS
There's no quick fix for the challenges of ‘fake news’ and ‘alternative facts.’ Course focuses on development of critical thinking skills needed to explore the boundaries, using newspapers, magazines, videos and internet resources, of our socially constructed, digital reality. This course looks at varied concepts of truth throughout history and across cultural contexts, with particular attention to similarities and differences with the modern, science-based concept of fact.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 101

MED 221 - INTRODUCTION TO MEDIA PRODUCTION
Course is designed to build core competency in utilizing and expanding communication technology to tell the stories; studying the principles of production in the areas of photography, video, audio, and interactive media. From both practical and theoretical perspectives, students will learn to: 1) analyze media forms (such as design, user interface, composition, framing, lighting, sound and editing) and 2) produce elementary productions that exhibit an understanding of these forms.
Credits: 3
Prerequisites: COMM 201 (may be taken concurrently) and MED 203 (may be taken concurrently)
Course Notes: May be taken concurrently with MED 203.

MED 250 - MEDIA AND SOCIAL CHANGE
This course explores the potentially positive impact of the media. The mass media have been blamed for their negative influence, such as encouraging consumerism, violence, stereotypes or age-inappropriate behaviors for children. The positive influences of the media, however, are rarely discussed. This course, therefore, will focus on media's beneficial impact on society. We first will explore whether media can change society, and if so, whether that change can be in the control of producers, government, or the audience. Then, the course will examine specific examples of positive media influence on individuals and society as a whole. We also will observe how the media have the potential to initiate such changes, whether these changes have been made intentionally or unintentionally, and how media technology has played a role.
Credits: 3
Attributes: Grounds for Change
Prerequisites: ENG 102

MED 290 - SPECIAL TOPICS: MEDIA STUDIES
Course content varies by semester but always focuses on current issues and/or diversity, alternative media, and social justice as they relate to media.
Credits: 3
Prerequisites: COMM 201
Course Notes: Click the red CRN for semester-specific course description

MED 306 - MEDIA LITERACY
Focuses on the informational, commercial and entertainment media forms and the degree to which such media are ubiquitous and their content constitutes what people in contemporary society, individually and collectively, say they “know”. Course examines the ways in which media organizations promote the public perception and consumption of their products as “unmediated” information sources; students develop critical skills to examine sources, values, intentions, profit-orientation, and social implications of such media.
Credits: 3
Prerequisites: COMM 201

MED 321 - PHOTobook HISTORY AND PRACTICE
History and practice of the photobook. Students will photograph a major subject over the course of the semester, edit the photographs, and layout and publish a photobook. Basic Photoshop, camera technique, and the history of the photobook will also be covered. Both film and digital cameras can be used for the course.
Credits: 3
Prerequisites: JOUR 201 (may be taken concurrently) or COMM 201 (may be taken concurrently)

MED 325 - PHOTOGRAPHY
Introduction to black & white film photography covering basic camera and darkroom techniques. Students will shoot and develop black and white film, and make prints using traditional darkroom equipment. Cameras will be provided by the department.
Credits: 3
Prerequisites: ENG 102 (may be taken concurrently)
Course Notes: See the CRN number on the online schedule for, the description of the course offered in that term.

MED 328 - DOCUMENTARY PHOTO
An exploration of documentary photography consisting of camera usage, shooting assignments, slide lectures, and computer work. No previous photography experience required. Cameras will be provided for the semester. This course will introduce the computer as a powerful tool for the photographer. We will discuss the ethical, philosophical and practical considerations regarding digital imaging. We will be using flat-bed scanners, 35mm slide and negative scanners, and digital cameras for inputting images into the computer. Adobe Photoshop will be our primary imaging program.
Credits: 3
Prerequisites: JOUR 201 or COMM 201

MED 345 - CROSS-CULTURAL COMMUNICATION
Communication styles and characteristics of various cultural groups. Understanding and recognizing barriers (semantics, nonverbal behavior, stereotypes, and assumed similarities) that affect communication among cultures. Fulfills the non-Western requirement.
Credits: 3
Attributes: Non-western Culture
Prerequisites: ENG 102
Course Notes: Sophomore standing.
MED 351 - PUBLIC OPINION AND PROPAGANDA
An in-depth exploration of Jacques Ellul's groundbreaking late 20th century work Propaganda: The Formation of Men's Attitudes with particular attention paid to the role of media in the creation of public opinion and the role of public opinion in the success of propaganda.
Credits: 3
Prerequisites: COMM 201

MED 363 - MEDIA ETHICS
An investigation in depth of various ethical theories and orientations, and a value-based analysis of what each one means and how they differ; exploration of both micro- and macro-ethical approaches to problems. Students will be challenged to examine their own values and determine their ethical orientations as a first step to ethical decision making.
Credits: 1,3
Prerequisites: COMM 201

MED 373 - EXAMINING MEDIA ETHICS
An investigation of mass-mediated communication, and information as a mass commodity, on values, particularly the value of truth. In an age of information glut, where every possible point of view is represented, all points of view appear to have the same value. Having 'values' demands the evaluation of ideas—seeing which ones are 'better' than others. This course seeks to help the student find certainty in a culture of confusion.
Credits: 3
Prerequisites: ENG 102
Course Notes: and Sophomore Standing or higher.

MED 375 - MEDIA ANALYSIS AND CRITICISM
Students use newspapers, magazines and the Internet in applying contemporary criticism to current media issues and performance. Emphasizes the social impact of mass media messages.
Credits: 3
Prerequisites: COMM 201

MED 380 - MEDIA RESEARCH METHODS
Students will learn the advantages and disadvantages of a number of quantitative and qualitative research methods, identify a research question and thesis, review the literature related to their area of research interest, and outline their continuing work in addressing their question and supporting—or refuting—their thesis. Work this semester leads to a proposal for a research project to be executed in the Spring semester (MED 381).
Credits: 3
Prerequisites: MED 203 and COMM 201
Course Notes: MED majors in this class are required to register for MED 381 in the following semester.

MED 381 - MEDIA STUDIES RESEARCH PROJECT
Students previously completed in MED 380 the first steps in the research process: identified a topic, reviewed literature, identified a research question, identified an appropriate method, and submitted a proposal. In MED 381, students focus on the remaining tasks in the research process: collection of data, analysis and evaluation of data, discernment of an answer to the research question, writing a conclusion, writing an introduction, and presentation of the research.
Credits: 3
Prerequisites: MED 380
Course Notes: This is the second course in a sequence of two.

MED 399 - INTERNSHIP
In-service training with professional media operation, media research organization, or other appropriate entity. See internship coordinator or department office for course syllabus.
Credits: 3
Prerequisites: MED 221
## MUSIC: BASSOON (BSSN)

### BSSN 201 - BASSOON (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Placement audition.

### BSSN 202 - BASSOON (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: BSSN 201
Course Notes: or placement

### BSSN 203 - BASSOON (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: BSSN 202
Course Notes: or placement

### BSSN 204 - BASSOON (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: BSSN 203
Course Notes: or placement

### BSSN 211 - BASSOON (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: BSSN 214
Course Notes: or placement

### BSSN 212 - BASSOON (MAJOR)
Study of required repertory and technique. Presentation of junior recital.
Credits: 3,4
Attributes: Humanities
Prerequisites: BSSN 311
Course Notes: or placement

### BSSN 213 - BASSOON (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: BSSN 212
Course Notes: or placement

### BSSN 214 - BASSOON (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: BSSN 213
Course Notes: or placement

### BSSN 301 - BASSOON (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: BSSN 301
Course Notes: or placement

### BSSN 302 - BASSOON (MINOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 2
Attributes: Humanities
Prerequisites: BSSN 302
Course Notes: or placement

### BSSN 303 - BASSOON (MINOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 2
Attributes: Humanities
Prerequisites: BSSN 302
Course Notes: or placement

### BSSN 311 - BASSOON (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: BSSN 214
Course Notes: or placement

### BSSN 312 - BASSOON (MAJOR)
Study of required repertory and technique. Presentation of junior recital.
Credits: 3,4
Attributes: Humanities
Prerequisites: BSSN 312
Course Notes: or placement

### BSSN 313 - BASSOON (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: BSSN 313
Course Notes: or placement

### BSSN 314 - BASSOON (MAJOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 3,4
Attributes: Humanities
Prerequisites: BSSN 314
Course Notes: or placement
CLAR 201 - CLARINET (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Placement audition

CLAR 202 - CLARINET (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: CLAR 201
Course Notes: or placement

CLAR 203 - CLARINET (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: CLAR 202
Course Notes: or placement

CLAR 204 - CLARINET (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: CLAR 203
Course Notes: or placement

CLAR 211 - CLARINET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

CLAR 212 - CLARINET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: CLAR 211
Course Notes: or placement

CLAR 213 - CLARINET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: CLAR 212
Course Notes: or placement

CLAR 214 - CLARINET (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: CLAR 213
Course Notes: or placement

CLAR 302 - CLARINET (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: CLAR 301
Course Notes: or placement

CLAR 303 - CLARINET (MINOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 2
Attributes: Humanities
Prerequisites: CLAR 302
Course Notes: or placement

CLAR 311 - CLARINET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: CLAR 214
Course Notes: or placement

CLAR 312 - CLARINET (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: CLAR 311
Course Notes: or placement

CLAR 313 - CLARINET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities

CLAR 314 - CLARINET (MAJOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 3,4
Attributes: Humanities
MUSIC COMPOSITION (MCMP)

MCMP 211 - COMPOSITION (MAJOR)
Development of compositional technique.
Credits: 4
Prerequisites: MUSC 121A (may be taken concurrently) and MUSC 121B (may be taken concurrently)
Course Notes: Consent.

MCMP 212 - COMPOSITION II (MAJOR)
Development of compositional technique.
Credits: 4
Prerequisites: MCMP 211

MCMP 213 - COMPOSITION III
Development of compositional technique.
Credits: 4
Prerequisites: MCMP 212

MCMP 214 - COMPOSITION IV
Development of compositional technique.
Credits: 3, 4
Prerequisites: MCMP 213

MCMP 215 - SOPHOMORE COMPOSITION JURY
Juried presentation of portfolio of original compositions.
Credits: 1
Prerequisites: MCMP 213

MCMP 225 - COMPOSITION SEMINAR
This course meets every week to discuss composition-related topics. The class activities comprise listening, discussion, presentations, invited guest lecturers and performers, and preparation of collaborative works.
Credits: 0

MCMP 301 - SUMMER COMPOSITION INSTITUTE
The Summer Composition Institute offers an opportunity for young composers to write both acoustic and electro-acoustic music. The program includes private lessons with composition faculty, lectures on various topics from form/analysis to electro-acoustic music technique, seminars on professional development and professionalism for musicians, reading sessions with faculty musicians, and performances of student works.
Credits: 2
Attributes: Humanities
Course Notes: The ability to read and notate music required.

MCMP 311 - COMPOSITION V
Development of compositional technique.
Credits: 4
Prerequisites: MCMP 214 and MCMP 215

MCMP 312 - COMPOSITION VI
Development of compositional technique.
Credits: 4
Prerequisites: MCMP 311

MCMP 313 - COMPOSITION VII
Development of compositional technique.
Credits: 4
Prerequisites: MCMP 312

MCMP 314 - COMPOSITION VIII
Development of compositional technique and portfolio. Presentation of senior recital.
Credits: 4
Prerequisites: MCMP 313

MCMP 325 -
This course is designed to help individual musicians to learn music composition in its beginning stages; smaller forms of composition, emphasizing motivic transformation, rhythmic organization, and structural principles. Students will develop a familiarity with various instruments and learn how to compose an effective piece with a limited amount of musical material. Students will complete three composition projects and three listening assignments.
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B
Course Notes: Previously offered as 'COMPOSING I
MUSIC EDUCATION (ME)

ME 149 - CAREER SEMINAR PUBLIC SCHOOL TEACHING
Introduction to the field of music education. Focus on the variety of career opportunities that are available in music education as well as the demands of music teaching in the current environment. Introduction of procedures for observing public school classrooms through several arranged visits to local schools. Construction of an individualized standards-based digital portfolio, which will be continually expanded upon throughout the music education degree.
Credits: 1

ME 152 - BRASS TECHNIQUES
Instruction in the performance and pedagogy of basic instruments in the brass family, including trumpet, horn, trombone, and euphonium/under. Basic performance competency is expected and measured through assignments and performances. Teaching strategies and resources for working with brass players in the school setting.
Credits: 1

ME 153 - WOODWIND TECHNIQUES
Instruction in the performance and pedagogy of basic instruments in the woodwind family, including Bb clarinet, flute, alto saxophone, bassoon, and oboe. Basic performance competency is expected and measured through assignments and performances. Teaching strategies and resources for working with woodwind players in the school setting.
Credits: 1

ME 154 - STRING TECHNIQUES
Instruction in the performance and pedagogy of basic instruments in the string family, including violin, viola, cello, and double bass. Basic performance competency is expected and measured through assignments and performances. Teaching strategies and resources for working with string players in the school setting.
Credits: 1

ME 155 - PERCUSSION TECHNIQUES
Instruction in the performance and pedagogy of instruments in the percussion family. Basic performance competency is expected and measured through playing assessments. Teaching strategies and resources for working with percussionists in school settings.
Credits: 1

ME 161 - CHORAL METHODS FOR INSTRUMENTAL MAJORS
Intensive study of beginning vocal technique and principles of ensemble singing. Introduction to vocal physiology and vocal health.
Credits: 2
Prerequisites: ME 314

ME 200 - MUSIC EDUCATION LAB
For music education majors from the 2nd year of the degree program until student teaching. Emphasis on opportunities for collaboration, peer mentoring and community building with discussion of current trends and issues in music education. Refinement of teaching techniques, and documentation of accomplishments through the development of the individualized digital portfolio.
Credits: 1

ME 201 - APPLIED JURY EXAMINATION
Performance of required repertory for a panel of faculty.
Credits: 0

ME 243 - CONDUCTING: ART & TECHNIQUE
Continued development of conducting and arranging skills. Students are provided opportunities to apply analytical, technical, and artistic conducting skills to musical works in both choral and instrumental settings.
Credits: 3
Prerequisites: PERF 240

ME 310 - STUDENT TEACHING INTERNSHIP
Culmination of teacher education sequence; open to upper division music education majors who have completed all other degree requirements. Observation and teaching in Chicago-area schools (15 weeks split between the elementary and secondary levels), working under professional supervision in programs directly related to student's specific concentration. Presence in schools during the entire school day required; no other University classes may be scheduled. Scheduled seminars at the Roosevelt campus for discussion of project completion progress, licensure issues, employment-related concerns, and other topics.
Credits: 5-12
Course Notes: Course fee: $300 edTPA test fee

ME 311 - CHORAL METHODS FOR ELEMENTARY/JUNIOR HIGH SCHOOL
Preparation for teaching elementary/junior high chorus and/or choral performances connected with a general music class. Teaching techniques and strategies, lesson and curricular planning, resources for materials relevant to developing an elementary/jr. high chorus. Introduction to the EdTPA requirements for certification in Illinois.
Credits: 3

ME 312 - CHORAL METHODS FOR SENIOR HIGH SCHOOL
Continuation of ME 311. Planning, instruction, assessment and management of a high school choral music program. Increased focus on conducting as well as other topics specific to high school chorus teaching. Preparation for the EdTPA project required in the State of Illinois for teacher certification. A substantial portion of class time will be spent in local high school music classrooms via service-learning partnerships that emphasize working with students in authentic small group settings.
Credits: 3
Prerequisites: ME 311

ME 313 - INSTRUMENTAL METHODS FOR ELEMENTARY/JUNIOR HIGH SCHOOL
Techniques, pedagogy, and resources applicable to teaching band and orchestra in the elementary and junior high school settings. Lesson and rehearsal planning and preparation, methodology and repertory, technology, composition and arranging.
Credits: 3

ME 314 - INSTRUMENTAL METHODS FOR SENIOR HIGH SCHOOL
Techniques, pedagogy, and resources applicable to teaching band and orchestra in the high school setting. Lesson and rehearsal planning and preparation, methodology and repertory, technology, composition and arranging. A substantial portion of class time will be spent in local high school music classrooms via service-learning partnerships that entail working with students in authentic small group settings.
Credits: 3
Prerequisites: ME 313
ME 337 - MARCHING/JAZZ BAND MANAGEMENT
The teacher's unique, diverse skill set and the wide variety of pedagogies, partnerships, and events that comprise a successful marching band program. Concepts and pedagogies of jazz music as applicable to the school jazz ensemble, with emphasis on teaching in a typical big band setting; basic foundation of jazz knowledge that can be built upon in future independent learning endeavors.
Credits: 2
Course Notes: or consent

ME 350 - METHODS FOR THE ELEMENTARY MUSIC CLASSROOM
Training the pre-service specialist to select and implement developmentally appropriate lessons that focus on general music literacy for elementary school students. The lessons are aligned with National Standards and reflect best practices, current methodologies and learning theories. They are researched and developed, collaboratively studied and presented through guided practice in an interactive class community setting.
Credits: 3

ME 351 - ISSUES IN MUSIC EDUCATION
Exploration of a variety of issues that confront the practicing music educator through readings, discussions, assignments, and projects designed to help the student develop greater awareness of societal, administrative, and management issues that affect the field of music education. Development of critical thinking skills to aid in further independent examinations of such issues.
Credits: 3
Course Notes: or Dept. consent

ME 352 - SECONDARY GENERAL MUSIC METHODS
Activities and methodology for the secondary general music classroom: composition, improvisation, class guitar. Curriculum design, technology applications and considerations, creativity and motivation, philosophical backgrounds. Assessment and evaluation in a creative classroom.
Credits: 3

ME 395 - INDEPENDENT STUDY
Individual research under departmental guidance.
Credits: 1-3
MUSIC: ELECTRIC BASS (ESTB)

ESTB 271 - ELECTRIC BASS
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Course Notes: Placement audition

ESTB 272 - ELECTRIC BASS
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: ESTB 271
Course Notes: or placement

ESTB 273 - ELECTRIC BASS
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: ESTB 272
Course Notes: or placement

ESTB 274 - ELECTRIC BASS
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: ESTB 273
Course Notes: or placement

ESTB 371 - ELECTRIC STR BASS
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: ESTB 274
Course Notes: or placement

ESTB 372 - ELECTRIC BASS
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: ESTB 371
Course Notes: or placement

ESTB 373 - ELECTRIC BASS
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: ESTB 372
Course Notes: or placement

ESTB 374 - ELECTRIC BASS
Study of required repertory. Presentation of senior recital.
Credits: 2-4
Attributes: Humanities
Prerequisites: ESTB 373
Course Notes: or placement
MUSIC: ELECTRIC GUITAR
(EGUI)

EGUI 271 - ELECTRIC GUITAR
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Course Notes: Placement audition.

EGUI 272 - ELECTRIC GUITAR
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: EGUI 271

EGUI 273 - ELECTRIC GUITAR
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: EGUI 272

EGUI 274 - ELECTRIC GUITAR
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: EGUI 273

EGUI 371 - ELECTRIC GUITAR
Credits: 2-4
Attributes: Humanities

EGUI 372 - ELECTRIC GUITAR
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities

EGUI 373 - ELECTRIC GUITAR
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities

EGUI 374 - ELECTRIC GUITAR
Study of required repertory and technique. Presentation of senior recital.
Credits: 2-4
Attributes: Humanities
MUSIC ENSEMBLE (ENS)

ENS 200 - UNIVERSITY SINGERS
Rehearsal and performance of choral music in all styles, including Western European, World Music, and American Popular music.
Credits: 3
Attributes: Humanities

ENS 201 - CONSERVATORY CHOIR
A cappella and accompanied repertory for vocal ensembles.
Credits: 1
Course Notes: Must audition

ENS 202 - SYMPHONY ORCHESTRA
Standard orchestral repertory, chamber and symphonic, from Baroque to 21st century.
Credits: 1
Course Notes: Must audition

ENS 203 - WIND ENSEMBLE
Standard and contemporary wind literature for ensembles of 12 and above.
Credits: 1
Attributes: Humanities
Course Notes: Must audition

ENS 204 - BRASS ENSEMBLE
Performance of major works for brass ensemble.
Credits: 1
Course Notes: Must audition

ENS 205Y - WOMEN'S CHORUS
Credits: 0
Attributes: Humanities
Course Notes: Must audition

ENS 209 - CLASSICAL GUITAR ENSEMBLE
Study and performance of literature for guitar duo, trio, and quartet, as well as combinations with other instruments/voice.
Credits: 1
Course Notes: Must audition

ENS 211 - LARGE INSTRUMENTAL ENSEMBLE
Performance of major works for orchestra and wind ensemble.
Credits: 1
Course Notes: Must audition

ENS 211Y - LARGE INSTRUMENTAL ENSEMBLE
Performance of major works for orchestra and wind ensemble.
Credits: 0
Attributes: Humanities
Course Notes: Must audition

ENS 220 - PIANO ENSEMBLE I
Introduction to basic ensemble and collaborative issues. Transposition and clef reading.
Credits: 1
Prerequisites: PIA 211 (may be taken concurrently)

ENS 221 - PRINCIPLES OF COLLABORATIVE PIANO I
Basic collaborative piano skills, pairing piano majors with singers and instrumentalists. Introduction to vocal and instrumental literature, including orchestral reductions.
Credits: 1
Attributes: Humanities
Prerequisites: ENS 220

ENS 230 - PIANO ENSEMBLE II
Continued exploration of ensemble and collaborative issues through more advanced duo piano repertory.
Credits: 1
Prerequisites: ENS 220

ENS 231 - PRINCIPLES COLLABORATIVE PIANO II
Continued development of collaborative piano skills through more advanced work with singers and instrumentalists.
Credits: 1
Attributes: Humanities
Prerequisites: ENS 230

ENS 235 - LARGE JAZZ ENSEMBLE
Rehearsal and performance of originals and arrangements for large ensemble structured around the historic Birth of the Cool instrumentation of Miles Davis and Gil Evans.
Credits: 1
Course Notes: Must audition

ENS 235Y - LARGE JAZZ ENSEMBLE
Rehearsal and performance of originals and arrangements for large ensemble structured around the historic Birth of the Cool instrumentation of Miles Davis and Gil Evans.
Credits: 0
Attributes: Humanities

ENS 236 - JAZZ COMBO
Five to eight players including complete rhythm section.
Credits: 1
Course Notes: Must audition

ENS 236Y - SMALL JAZZ ENSEMBLE
Five to eight players including complete rhythm section.
Credits: 0
Attributes: Humanities

ENS 237 - VOCAL JAZZ ENSEMBLE
Eight to sixteen singers. Survey of jazz and other popular music styles.
Credits: 1
Course Notes: Must audition

ENS 237Y - VOCAL JAZZ ENSEMBLE
Eight to sixteen singers. Survey of jazz and other popular music styles.
Credits: 0
Attributes: Humanities
ENS 240 - LATIN JAZZ: HISTORY & PERFORMANCE
Foundation in the performance of compositions and arrangements that are based on the rhythms and song styles of Afro-Caribbean and Brazilian musical traditions.
Credits: 1
Course Notes: Audition required.

ENS 246 - PRACTICUM: COLLABORATIVE PIANO
Fulfillment of collaborative piano assignment; independent work supervised by faculty.
Credits: 1
Attributes: Humanities
Prerequisites: ENS 245

ENS 305 - CHAMBER MUSIC (PIANO)
Study and performance of four-hand and two-piano repertory.
Credits: 1
Prerequisites: PIA 312

ENS 305Y - CHAMBER MUSIC (PIANO)
Study and performance of four-hand and two-piano repertory.
Credits: 0

ENS 306 - CHAMBER MUSIC (WIND/BRASS)
Study, rehearsal and performance of works from the wind/brass chamber music repertory.
Credits: 1
Course Notes: Applied instrument 211 required.

ENS 306Y - CHAMBER MUSIC (WINDS/BRASS)
Study, rehearsal and performance of works from the wind/brass chamber music repertory.
Credits: 0
Attributes: Humanities
Course Notes: Applied instrument 211 required.

ENS 307 - CHAMBER MUSIC (STRINGS)
Study, rehearsal and performance of works from the string chamber music repertory.
Credits: 1
Course Notes: Junior standing or consent

ENS 307Y - CHAMBER MUSIC (STRINGS)
Study, rehearsal and performance of works from the string chamber music repertory.
Credits: 0
Attributes: Humanities
Course Notes: Junior standing or consent

ENS 308 - PERCUSSION ENSEMBLE
Study, rehearsal and performance of works from the percussion chamber music repertory.
Credits: 1
Course Notes: Applied instrument 211 required.

ENS 308Y - PERCUSSION ENSEMBLE
Study, rehearsal and performance of works from the percussion chamber music repertory.
Credits: 0
Attributes: Humanities
Course Notes: Applied instrument 211 required.

ENS 381Y - ORCHESTRA
Credits: 0
Attributes: Humanities
MUSIC: EUPHONIUM (EUPH)

EUPH 201 - EUPHONIUM LESSONS
Study of required repertory and technique.
Credits: 2
Attributes: Humanities

EUPH 202 - EUPHONIUM LESSONS
Study of required repertory and technique.
Credits: 2
Prerequisites: EUPH 201

EUPH 203 - EUPHONIUM LESSONS
Study of required repertory and technique.
Credits: 2
Prerequisites: EUPH 202

EUPH 204 - EUPHONIUM LESSONS
Study of required repertory and technique.
Credits: 2
Prerequisites: EUPH 203

EUPH 211 - EUPHONIUM (MAJOR)
Study and performance of required repertory and technique.
Credits: 3

EUPH 212 - EUPHONIUM (MAJOR)
Study and performance of required repertory and technique.
Credits: 3
Prerequisites: EUPH 211

EUPH 301 - EUPHONIUM LESSONS
Study of required repertory and technique.
Credits: 2
Prerequisites: EUPH 204

EUPH 302 - EUPHONIUM LESSONS
Study of required repertory and technique.
Credits: 2
Prerequisites: EUPH 301

EUPH 303 - EUPHONIUM LESSONS
Study of required repertory and technique. Presentation of senior recital.
Credits: 2
Prerequisites: EUPH 302
MUSIC: FLUTE (FLT)

FLT 201 - FLUTE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Placement audition

FLT 202 - FLUTE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: FLT 201
Course Notes: or placement

FLT 203 - FLUTE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: FLT 202
Course Notes: or placement

FLT 204 - FLUTE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: FLT 203
Course Notes: or placement

FLT 211 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

FLT 212 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FLT 211
Course Notes:FLT 211 or placement

FLT 213 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FLT 212
Course Notes: or placement

FLT 214 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FLT 213
Course Notes: or placement

FLT 301 - FLUTE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: FLT 204
Course Notes: or placement

FLT 302 - FLUTE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: FLT 301
Course Notes: FLT 301 or placement

FLT 303 - FLUTE (MINOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 2
Attributes: Humanities
Prerequisites: FLT 302
Course Notes: or placement

FLT 311 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FLT 214
Course Notes: or placement

FLT 312 - FLUTE (MAJOR)
Study of required repertory and technique. Presentation of junior recital.
Credits: 3,4
Attributes: Humanities
Prerequisites: FLT 311
Course Notes: or placement

FLT 313 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FLT 312
Course Notes: or placement

FLT 314 - FLUTE (MAJOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 3,4
Attributes: Humanities
Prerequisites: FLT 313
Course Notes: or placement
MUSIC: FRENCH HORN (FRHN)

FRHN 201 - FRENCH HORN (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Placement audition

FRHN 202 - FRENCH HORN (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: FRHN 201
Course Notes: FRHN 201 or placement

FRHN 203 - FRENCH HORN (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: FRHN 202
Course Notes: FRHN 202 or placement

FRHN 204 - FRENCH HORN (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: FRHN 203
Course Notes: Dept. consent

FRHN 211 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

FRHN 212 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FRHN 211
Course Notes: or placement

FRHN 213 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FRHN 212
Course Notes: or placement

FRHN 214 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FRHN 213
Course Notes: or placement

FRHN 301 - FRENCH HORN (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: FRHN 301
Course Notes: or placement

FRHN 302 - FRENCH HORN (MINOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 2
Attributes: Humanities
Prerequisites: FRHN 301
Course Notes: or placement

FRHN 303 - FRENCH HORN (MINOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 2
Attributes: Humanities
Prerequisites: FRHN 302
Course Notes: or placement

FRHN 311 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FRHN 311
Course Notes: or placement

FRHN 312 - FRENCH HORN (MAJOR)
Study of required repertory and technique. Presentation of junior recital.
Credits: 3,4
Attributes: Humanities
Prerequisites: FRHN 312
Course Notes: or placement

FRHN 313 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FRHN 313
Course Notes: or placement

FRHN 314 - FRENCH HORN (MAJOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 3,4
Attributes: Humanities
Prerequisites: FRHN 313
Course Notes: or placement
MUSIC GENERAL STUDIES (MUS)

MUS 101 - MUSIC PERFORM1
MUSIC PERFORM1
Credits: 1

MUS 102 - MUSIC PERFORM2
MUSIC PERFORM2
Credits: 1

MUS 103 - MUSIC PERFORM3
MUSIC PERFORM3
Credits: 1

MUS 104 - MUSIC PERFORM4
MUSIC PERFORM4
Credits: 1

MUS 115 - BEGINNING PIANO
For non-music majors with no experience in piano. Class instruction in basic performance and musicianship skills.
Credits: 3
Attributes: Humanities

MUS 120 - BEGINNING VOICE
Basic vocal training focused on fundamental techniques (breath support, tone, diction), expression, and interpretation. Ability to read music is desirable.
Credits: 3
Attributes: Humanities

MUS 156 - BEGINNING GUITAR
Introduction to acoustic guitar. Basic right hand and left hand technique and terminology, proper sitting position, development of solo and ensemble playing skills. Introduction to harmony, rhythm, and note reading. Basic accompaniment (finger patterns and with pick) with the goal of singing and playing simultaneously.
Credits: 3
Attributes: Humanities

MUS 200 - ARTS ED & COMMUNITY ENGAGEMENT
How educators and artists engage with Chicago youth to encourage self-expression, support contributions to the community, and apply creative approaches to social change. Historical and contemporary research on the role of the arts in Chicago community development. Operations of urban nonprofits, partnerships and community organizations. The dynamics of leadership, creativity, demographics and educational strategies in such organizations. Final projects will analyze engagement and arts learning at specific Chicago sites.
Credits: 3
Attributes: Humanities

MUS 201 - PRINCIPLES OF MUSIC COMPOSITION
Through writing short original works, students will learn the principles of music composition and the elements of compositional style. Topics include notation, form, structure, shape, and instrumentation, as well as listening skills and various 20th and 21st century styles.
Credits: 3
Attributes: Humanities

MUS 204 - UNIVERSITY SINGERS
Rehearsal and informal performance of a wide range of musical styles, with emphasis on basic reading and performance skills and increasing musical understanding.
Credits: 3
Attributes: Humanities

MUS 240 - MUSIC IN CULTURE & SOCIETY
No formal music background required. Study of the elements of music (rhythm, melody, harmony, texture, form) and the influence of culture on creation, production, artistic expression, media, technology, the role of the artist in society, and the listener’s perception, through investigation of various genres, styles, artists, and/or time periods. Music as critique and commentary on society, and as a vehicle for social change. May be repeated for credit with a different topic.
Credits: 3
Attributes: Humanities
MUSIC: GUITAR (GUIT)

GUIT 101 - GUITAR (MINOR)
Study of repertory and technique.
Credits: 2
Attributes: Humanities

GUIT 102 - GUITAR (MINOR)
Study of repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 101
Course Notes: or placement

GUIT 103 - GUITAR (MINOR)
Study of repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 102
Course Notes: or placement

GUIT 104 - GUITAR (MINOR)
Study of repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 103
Course Notes: or placement

GUIT 201 - GUITAR (MINOR)
Study of repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 104
Course Notes: Placement audition

GUIT 202 - GUITAR
Study of repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 201
Course Notes: or placement

GUIT 203 - GUITAR (MINOR)
Study of repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 202
Course Notes: or placement

GUIT 204 - GUITAR (MINOR)
Study of repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 203
Course Notes: or placement

GUIT 211 - GUITAR (MAJOR)
Study of repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: GUIT 210
Course Notes: or placement

GUIT 212 - GUITAR (MAJOR)
Study of repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: GUIT 211
Course Notes: or placement

GUIT 213 - GUITAR (MAJOR)
Study of repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: GUIT 212
Course Notes: or placement

GUIT 214 - GUITAR (MAJOR)
Study of repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: GUIT 213
Course Notes: or placement

GUIT 250 - JURY (FRESH/SOPH)
Performance of required repertory and technique for a panel of faculty.
Credits: 2
Attributes: Humanities

GUIT 300 - GUITAR PERFORMANCE CLASS
Performance and related topics for an audience of peers and faculty.
Required of all guitar majors every semester.
Credits: 0
Attributes: Humanities

GUIT 301 - GUITAR (MINOR)
Performance of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 300
Course Notes: or placement

GUIT 302 - GUITAR (MINOR)
Performance of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 301
Course Notes: or placement

GUIT 303 - GUITAR
Performance of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 302
Course Notes: or placement

GUIT 311 - GUITAR (MAJOR)
Performance of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: GUIT 310
Course Notes: or placement

GUIT 312 - GUITAR (MAJOR)
Performance of required repertory and technique. Presentation of junior recital.
Credits: 4
Attributes: Humanities
Prerequisites: GUIT 311
Course Notes: or placement
GUIT 313 - GUITAR (MAJOR)
Performance of required repertory and technique.
Credits: 2,4
Attributes: Humanities
Prerequisites: GUIT 312
Course Notes: or placement

GUIT 314 - GUITAR (MAJOR)
Performance of required repertory and technique. Presentation of senior recital.
Credits: 4
Attributes: Humanities
Prerequisites: GUIT 313
Course Notes: or placement

GUIT 350 - JURY (JUNIOR/SENIOR)
Performance of required repertory and technique for a panel of faculty.
Credits: 2
Attributes: Humanities
MUSIC: HARP (HARP)

HARP 211 - HARP (MAJOR)
Performance of required repertory and technique.
Credits: 4
Attributes: Humanities
Course Notes: Placement Audition

HARP 212 - HARP (MAJOR)
Performance of required repertory and technique.
Credits: 4
Attributes: Humanities
Prerequisites: HARP 211
Course Notes: or placement

HARP 213 - HARP (MAJOR)
Performance of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: HARP 212
Course Notes: or placement

HARP 214 - HARP (MAJOR)
Performance of required repertory and technique.
Credits: 4
Attributes: Humanities
Prerequisites: HARP 213
Course Notes: or placement

HARP 300 - HARP PERFORMANCE CLASS
Performance of selected repertory for peers and faculty. Required for Harp majors every semester in residence.
Credits: 0
Attributes: Humanities

HARP 301 - HARP
Credits: 2
Attributes: Humanities

HARP 302 - HARP
Credits: 2
Attributes: Humanities

HARP 303 - HARP
Credits: 2
Attributes: Humanities

HARP 311 - HARP (MAJOR)
Credits: 4
Attributes: Humanities
Prerequisites: HARP 214
Course Notes: or placement

HARP 312 - HARP (MAJOR)
Performance of required repertory and technique. Presentation of junior recital.
Credits: 4
Attributes: Humanities
Prerequisites: HARP 311
Course Notes: or placement

HARP 313 - HARP (MAJOR)
Performance of required repertory and technique.
Credits: 4
Attributes: Humanities
Prerequisites: HARP 312
Course Notes: or placement

HARP 314 - HARP (MAJOR)
Performance of required repertory and technique. Presentation of senior recital.
Credits: 4
Attributes: Humanities
Prerequisites: HARP 313
Course Notes: or placement
MUHL 208 - SOUNDS OF SUMMER: CHICAGO FESTIVALS, THEIR PLANNERS, PARTICIPANTS, AND SOUNDTRACKS
Course covers who plans summer festivals, their origins, festivals as identity, ideology, and political conveyers. Examines summer festivals as revealers of cultural identity, demographic trends, and as nostalgia. Course features site visits to Chicago summer festivals.
Credits: 3
Course Notes: Class field trips meet off-campus in Chicago accessible via public transit.

MUHL 210 - THE VERNACULAR MUSIC OF THE UNITED STATES
American popular song, musical theater, ragtime, jazz, blues, gospel, country, bluegrass, folk, Latino, Cajun, and rock. Roots of American folk and popular music in African, Anglo-Celtic, and other musical cultures. Introduction to world music studies, including perspectives and methods of ethnomusicology.
Credits: 3
Prerequisites: MUSC 121A and MUSC 121B

MUHL 240 - MUSIC IN CULTURE & SOCIETY
No formal music background required. The elements of music (rhythm, melody, harmony, texture, form) and the influence of culture on creation, production, artistic expression, media, technology, the role of the artist in society, and the listener's perception, through investigation of various genres, styles, artists, and/or time periods. Music as critique and commentary on society, and as a vehicle for social change. May be repeated for credit with a different topic.
Credits: 3
Attributes: Humanities

MUHL 251 - HISTORY OF WESTERN MUSIC I
Thematic exploration of European musical culture before 1600 (the Middle Ages and Renaissance). Gregorian chant, secular monophonic song, the rise of Medieval polyphony, the development of sacred and secular Franco-Flemish polyphony, the development of the motet and madrigal, and the rise of instrumental music. Artistic endeavors as contextualized by study of the people involved, their lives, institutions, and intellectual and cultural movements.
Credits: 3
Prerequisites: MUSC 122A and MUSC 122B

MUHL 252 - HISTORY OF WESTERN MUSIC II
Thematic exploration of European musical culture in the 17th and 18th centuries (Baroque and Classical eras). The rise of monody, developments in the concerto, oratorio, Mass, symphony, string quartet, and opera. Artistic endeavor as contextualized by study of the people involved, their lives, institutions, and intellectual and cultural movements.
Credits: 3
Prerequisites: MUSC 122A and MUSC 122B

MUHL 253 - HISTORY OF WESTERN MUSIC III
Thematic exploration of Western cultivated traditions from the 19th to 21st centuries (the Romantic Era to the present). Romantic piano music, art song, symphonic compositions, chamber music, and opera. The expansion and dissolution of tonality at the turn of the 20th century. Competing forces in national identity, experimental art traditions, the role of technology, instrument development, and notation. Artistic endeavors as illuminated by fundamental questions of how composers and performers have defined their art, preferences, and musical techniques.
Credits: 3
Prerequisites: MUSC 222A and MUHL 252 and MUSC 222B

MUHL 308 - SOUNDS OF SUMMER: CHICAGO'S FESTIVALS, THEIR PLANNERS, PARTICIPANTS, AND SOUNDTRACKS
Course covers who plans summer festivals, their origins, festivals as identity, ideology, and political conveyers. Examines summer festivals as revealers of cultural identity, class identity, demographic trends, and as nostalgia. Course features site visits to Chicago summer festivals.
Credits: 3
Course Notes: Class field trips meet off-campus in Chicago accessible via public transit.

MUHL 321 - PERFORMANCE PRACTICE: 1600-1800
Ideas and conventions associated with the performance of older music, specifically that of the 17th and 18th centuries. Begins with the vocal 'Seconda Pratica' and its instrumental outgrowths and continues through the music of Haydn and Mozart, highlighting stylistic changes that relate to composition and performance through study of important documents and instructional materials from the periods.
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B and MUHL 251

MUHL 322 - PERFORMANCE PRACTICE SINCE 1800
Issues of performance practice from the beginning of the 19th century throughout the Romantic period until the age of recording. The ascendancy of legato as the chief mode of musical articulation will be introduced through works of Beethoven and Clementi, continuing to the early 20th century with early recordings of the music of Puccini and others.
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B and MUHL 252

MUHL 351 - SPECIAL TOPICS IN MUSIC LITERATURE
Exploration and cultural contextualization of musical developments, repertories, and figures, with the goal of understanding music in both artistic and sociopolitical terms, through readings, class discussions, group and individual presentations, and research papers. The course can be repeated with a change in topic.
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B

MUHL 355 - OVERVIEW OF COMMON PRACTICE HARMONY
Review of tonal music theory (including chromaticism and form). Required of MM students not sufficiently prepared for music academic coursework.
Credits: 1

MUHL 385 - OVERVIEW OF MUSIC HISTORY AND STYLE
Review of music history (including stylistic developments through the late 20th century).
Credits: 1
MUHL 387 - OVERVIEW OF MUSIC SINCE 1900
Harmonic/stylistic and historical overview of music since 1900.
Required of MM students not sufficiently prepared for music academic coursework.
Credits: 1

MUHL 395 - INDEPENDENT STUDY
Individual research under departmental guidance.
Credits: 1-6
Course Notes: Consent of instructor

MUHL 397 - SPECIAL TOPICS
Enrollment in graduate level coursework. Requires permission of Academic Music Studies Dept. Topics vary by semester.
Credits: 3
Course Notes: Consent needed.
MUSICIANSHIP STUDIES (MUSC)

MUSC 111 - FOUNDATIONS OF MUSICIANSHIP
Melodic/harmonic structures of tonal music. Introduction to aural skills. Introduction to keyboard musicianship. Required of students not sufficiently prepared for MUSC 121A/B/C. No credit toward BM or BMA degree.
Credits: 3
Course Notes: Placement required. Open to music majors only.

MUSC 115 - BEGINNING PIANO
For non-music majors with no experience in piano. Class instruction in basic performance and musicianship skills.
Credits: 3
Course Notes: For non-music majors.

MUSC 121A - MUSICIANSHIP I:WRITTEN SKILLS
Analysis, harmonization, composition using primary triads and dominant seventh in all positions; basic principles of voice leading, counterpoint, melodic organization; non-chord tones.
Credits: 2
Course Notes: Placement required. Open to music majors only.

MUSC 121B - MUSICIANSHIP I: AURAL SKILLS
Melodic, harmonic, and contrapuntal dictation and sight-singing using primary triads and dominant seventh in all positions and non-chord tones; aural identification of intervals within the octave and basic triad types in all positions.
Credits: 1
Course Notes: Placement required. Open to music majors only.

MUSC 121C - MUSICIANSHIP I: PIANO SKILLS
Keyboard studies for non-pianists. Emphasis on solo and ensemble repertory, sight-reading, and reinforcement of musical materials covered in 121A and 121B.
Credits: 2
Course Notes: Placement required. Open to music majors only.

MUSC 122A - MUSICIANSHIP II: WRITTEN SKILLS
Continuation of MUSC 121A. Secondary triads and seventh chords, secondary dominants, modulation to close-related keys; binary and ternary forms.
Credits: 2
Prerequisites: MUSC 121A and MUSC 121B

MUSC 122B - MUSICIANSHIP II: AURAL SKILLS
Aural identification of compound intervals and basic seventh chord types; melodic, harmonic, and contrapuntal dictation and sight-singing derived from musical materials of MUSC 122A.
Credits: 1
Prerequisites: MUSC 121A and MUSC 121B

MUSC 122C - MUSICIANSHIP II: PIANO SKILLS
Continuation of MUSC 121C, including reinforcement of musical materials covered in 122A and 122B.
Credits: 2
Prerequisites: MUSC 121C

MUSC 221A - MUSICIANSHIP III: WRITTEN SKILLS
Analysis, harmonization, composition using primary chromatic harmony; basic principles of formal analysis; modulation to distant keys using chromatic and enharmonic processes.
Credits: 2
Prerequisites: MUSC 122A and MUSC 122B

MUSC 221B - MUSICIANSHIP III: AURAL SKILLS
Melodic, harmonic, and contrapuntal dictation and sight-singing derived from musical materials of MUSC 221A.
Credits: 1
Prerequisites: MUSC 122A and MUSC 122B

MUSC 221C - MUSICIANSHIP III: PIANO SKILLS
Continuation of MUSC 122C, including reinforcement of musical materials covered in 121A and 121B.
Credits: 2
Prerequisites: MUSC 121A and MUSC 121B and MUSC 122C

MUSC 222A - MUSICIANSHIP IV: WRITTEN SKILLS
Styles and materials of 20th century music including expanded scalar and harmonic resources of Impressionism, advanced rhythmic and pandiatonic processes of Primitivism and Neoclassicism, free atonal procedures of Expressionism, and serial procedures of the Second Viennese School. Emphasis on stylistic analysis and imitative composition.
Credits: 2
Prerequisites: MUSC 221A and MUSC 221B and MUSC 122C

MUSC 222B - MUSICIANSHIP IV: AURAL SKILLS
Melodic, rhythmic, and contrapuntal dictation and sight-singing derived from musical materials of MUSC 222A.
Credits: 1
Prerequisites: MUSC 221A and MUSC 221B and MUSC 122C

MUSC 222C - MUSICIANSHIP IV: PIANO SKILLS
Continuation of MUSC 221C.
Credits: 2
Prerequisites: MUSC 122A and MUSC 122B and MUSC 221C
MUSIC: JAZZ DRUM SET (JDR)

JDR 271 - JAZZ DRUM SET
Study of required repertory and technique.
Credits: 2-4
Course Notes: Placement audition.

JDR 272 - JAZZ DRUM SET
Study of required repertory and technique.
Credits: 2-4
Prerequisites: JDR 271
Course Notes: or placement.

JDR 273 - JAZZ DRUM SET
Study of required repertory and technique.
Credits: 2-4
Prerequisites: JDR 272
Course Notes: or placement.

JDR 274 - JAZZ DRUM SET
Study of required repertory and technique.
Credits: 2-4
Prerequisites: JDR 273
Course Notes: or placement.

JDR 371 - JAZZ DRUM SET
Study of required repertory and technique.
Credits: 2-4

JDR 372 - JAZZ DRUM SET
Study of required repertory and technique.
Credits: 2-4

JDR 373 - JAZZ DRUM SET
Study of required repertory and technique.
Credits: 2-4
Prerequisites: JDR 372
Course Notes: or placement.

JDR 374 - JAZZ DRUM SET
Study of required repertory. Presentation of senior recital.
Credits: 2-4
Prerequisites: JDR 373
Course Notes: or placement.
MUSIC JAZZ STUDIES (JAZZ)

JAZZ 210 - JAZZ THEORY I
Jazz chord structures and related nomenclature; chord/scale relationships; basic jazz chord progressions; jazz rhythms (swing and straight); song and blues forms; melodic tendencies.
Credits: 3
Prerequisites: MUSC 122A and MUSC 122B and MUSC 122C
Course Notes: or consent

JAZZ 211 - ESSENTIALS OF JAZZ I
Introduction to the originators and innovators of jazz style. Historical overview and in-depth style analysis.
Credits: 2
Prerequisites: MUSC 121A (may be taken concurrently)
Course Notes: May be concurrent.

JAZZ 212 - ESSENTIAL OF JAZZ I
Continuation of JAZZ 211: historical overview of jazz and its relationship to American cultural and political history from 1945.
Credits: 2
Prerequisites: JAZZ 211

JAZZ 215 - JAZZ THEORY II
Continuation of Jazz 210 to include advanced harmonic structures, scale forms, and chord progressions.
Credits: 3
Prerequisites: JAZZ 210

JAZZ 220 - SKILLS FOR JAZZ VOCALISTS I
Introduction to singing in the commercial jazz idiom. Basic microphone technique and amplified vocal production; creation of lead sheets; transpositions and chord symbols; introduction to basic swing and ballad styles; survey of historically significant solo jazz vocalists.
Credits: 2
Prerequisites: VOI 271 (may be taken concurrently)
Course Notes: or concurrent

JAZZ 221 - SKILLS JAZZ VOCALISTS II
Continuation of Jazz 220. Issues of vocal pedagogy; vocal hygiene; phrasing and lyric interpretation; the rhythm section; performance practices in live jazz and other contemporary styles; survey of historically significant vocal jazz ensembles.
Credits: 2
Prerequisites: VOI 271
Course Notes: or concurrent

JAZZ 225 - VOCAL JAZZ PERFORMANCE CLASS
Required of vocal jazz majors. Development of stage presence, interpretive abilities and technique through performance for peer audience and department faculty. Meets weekly.
Credits: 0
Course Notes: Pre-requisite: Applied 271 (may be concurrent).

JAZZ 230 - IMPROVISATION
Fundamentals and concepts of jazz improvisation. Development of students' understanding of basic jazz vocabulary by focusing on essential knowledge (including personal sound & style, solo construction & development, rhythmic skills, blues, modes, and free form improv). Review of the most important solos and soloists in jazz.
Credits: 2
Course Notes: Major instrument or VOI 271 may be taken concurrently.

JAZZ 231 - IMPROVISATION II
Exploration of more advanced tonal, melodic, and rhythmic structures, and the use of sequence, in improvisation. Study of standard and irregular forms. Specific learning outcomes based on American Songbook tunes and their jazz derivatives.
Credits: 2
Prerequisites: JAZZ 215 and JAZZ 230

JAZZ 232 - IMPROVISATION III
Emphasis on tonal/melodic/rhythmic developments in jazz since 1959 as employed in improvisation. Specific learning outcomes based on jazz-specific compositions of the Post-Bop era.
Credits: 2
Prerequisites: JAZZ 331

JAZZ 243 - JAZZ PIANO TECHNIQUES I
Functional jazz keyboard technique for non-pianists: diatonic seventh chords; ii V I in major and minor; comping on basic song forms; adding 9ths and 13ths to chords; blues form, blues scales, and an introduction to rootless voicings.
Credits: 2
Prerequisites: MUSC 122

JAZZ 244 - JAZZ PIANO TECH I
Continuation of JAZZ 243: rootless chord voicings applied to major and minor ii V I; chromatic embellishment of static harmony; voicing 7sus4 chords; “So What” and quartal voicings; idiomatic keyboard vamps; transcribed piano pieces.
Credits: 2
Prerequisites: JAZZ 243

JAZZ 245 - UNDERSTANDING DRUMS AND BASS
Rhythm section hands-on experience in playing bass and drums. Constructing and notating rhythm section parts, focus on stylistic integrity, time and feel.
Credits: 2

JAZZ 305 - COMPOSITION & ARRANGING I
Form, structure, melody, rhythm and harmony in jazz and other contemporary forms. Scoring techniques for standard jazz ensembles.
Credits: 3
Prerequisites: JAZZ 215
Course Notes: or consent

JAZZ 306 - COMPOSITION & ARRANGING II
Continuation of 305 to include development of individual style.
Credits: 3
Prerequisites: JAZZ 305

JAZZ 310 - JAZZ FORUM
Development of stage presence, improvisation, ensemble skills and technique through performance for peer audience, faculty, and guest artists.
Credits: 0
Course Notes: Pre-requisite: Applied 271 (may be concurrent).

JAZZ 331 - IMPROVISATION II
Functional jazz keyboard technique for non-pianists: diatonic seventh chords; ii V I in major and minor; comping on basic song forms; adding 9ths and 13ths to chords; blues form, blues scales, and an introduction to rootless voicings.
Credits: 2
Prerequisites: MUSC 122

JAZZ 332 - IMPROVISATION III
Continuation of JAZZ 243: rootless chord voicings applied to major and minor ii V I; chromatic embellishment of static harmony; voicing 7sus4 chords; “So What” and quartal voicings; idiomatic keyboard vamps; transcribed piano pieces.
Credits: 2
Prerequisites: JAZZ 243

JAZZ 335 - CAREERS IN MUSIC
Aspects of the music business, including legal representation, copyrights, royalties, publishing, the recording industry, management, touring, marketing, distribution, the role of technology, and maintaining a career in music.
Credits: 3
Prerequisites: JAZZ 215 and JAZZ 244
JAZZ 395 - INDEPENDENT STUDY
Individual research under departmental guidance.
Credits: 1-4
Course Notes: Consent of instructor

JAZZ 399 - JAZZ JURY EXAM
Performance of required repertory and technique for a faculty panel.
Credits: 0
MUSIC: OBOE (OBOE)

OBOE 201 - OBOE (MINOR)
Study of required repertory and technique.
Credits: 2
Course Notes: Placement audition

OBOE 202 - OBOE (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: OBOE 201
Course Notes: or placement

OBOE 203 - OBOE (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: OBOE 202
Course Notes: or placement

OBOE 204 - OBOE (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: OBOE 203
Course Notes: or placement

OBOE 211 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Course Notes: Dept. consent

OBOE 212 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: OBOE 211
Course Notes: or placement

OBOE 213 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: OBOE 212
Course Notes: or placement

OBOE 214 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: OBOE 213
Course Notes: or placement

OBOE 301 - OBOE (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: OBOE 204
Course Notes: or placement

OBOE 302 - OBOE (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: OBOE 301
Course Notes: or placement

OBOE 303 - OBOE (MINOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 2
Prerequisites: OBOE 302
Course Notes: or placement

OBOE 311 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: OBOE 214
Course Notes: or placement

OBOE 312 - OBOE (MAJOR)
Study of required repertory and technique. Presentation of junior recital.
Credits: 3,4
Prerequisites: OBOE 311
Course Notes: or placement

OBOE 313 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: OBOE 312
Course Notes: or placement

OBOE 314 - OBOE (MAJOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 3,4
Prerequisites: OBOE 313
Course Notes: or placement
MUSIC: ORGAN (ORG)

ORG 314 - ORGAN (MAJOR)
Credits: 4
Prerequisites: ORG 313
Course Notes: or placement
MUSIC PEDAGOGY (MPE)

MPE 330 - SENIOR SEMINAR IN MUSIC PEDAGOGY
Introduction to the teaching and learning of music. Types and stages of learning. Sequencing of concepts/skills and lesson planning. Teacher-student relationships; ethics and business practices; professional development. Introduction to specific pedagogies and methodologies.
Credits: 1
Course Notes: Applied instrument or VOI 313 or concurrent.

MPE 361 - PIANO PEDAGOGY I
Introduction to the principles of piano teaching, beginning to intermediate levels. Focus on practical matters such as surveying currently available piano methods and thorough study of pedagogy collections by major classical composers (J. S. Bach, Bartok, Kabalevsky, and others). Discussion of development and learning theories as well as competing educational philosophies. Additional topics include musicianship at the piano, the teen beginner, the adult beginner, teaching gifted children, teaching children with disabilities, and the business of teaching.
Credits: 3
Prerequisites: PIA 214

MPE 362 - PIANO PEDAGOGY II
Issues of teaching piano to intermediate- and early-advanced-level students. Study of solo repertoire, etudes and technical exercises, and ensemble music suitable for students at these levels. Additional topics include adolescent and adult psychology, development, and learning theories. Students will be observed and videotaped in teaching situations with evaluation by the instructor.
Credits: 3
Prerequisites: MPE 361

MPE 395 - INDEPENDENT STUDY
Credits: 1-3
**MUSIC: PERCUSSION (PER)**

**PER 201 - PERCUSSION (MINOR)**  
Study of required repertory and technique.  
Credits: 2  
Course Notes: Placement audition.

**PER 202 - PERCUSSION (MINOR)**  
Study of required repertory and technique.  
Credits: 2  
Prerequisites: PER 201  
Course Notes: or placement

**PER 203 - PERCUSSION (MINOR)**  
Study of required repertory and technique.  
Credits: 2  
Prerequisites: PER 201  
Course Notes: or placement

**PER 204 - PERCUSSION (MINOR)**  
Study of required repertory and technique.  
Credits: 2  
Prerequisites: PER 203  
Course Notes: or placement

**PER 211 - PERCUSSION (MAJOR)**  
Study of required repertory and technique.  
Credits: 3,4  
Course Notes: Dept. consent

**PER 212 - PERCUSSION (MAJOR)**  
Study of required repertory and technique.  
Credits: 3,4  
Prerequisites: PER 211  
Course Notes: or placement

**PER 213 - PERCUSSION (MAJOR)**  
Study of required repertory and technique.  
Credits: 3,4  
Prerequisites: PER 212  
Course Notes: or placement

**PER 214 - PERCUSSION (MAJOR)**  
Credits: 3,4  
Prerequisites: PER 213  
Course Notes: or placement

**PER 300 - PERCUSSION PERFORMANCE CLASS**  
Performance of repertoire for an audience of peers and faculty. Required of all percussion majors every semester.  
Credits: 0  
Course Notes: Consent required.

**PER 301 - PERCUSSION (MINOR)**  
Study of required repertory and technique.  
Credits: 2  
Prerequisites: PER 204  
Course Notes: or placement

**PER 302 - PERCUSSION (MINOR)**  
Study of required repertory and technique.  
Credits: 2  
Prerequisites: PER 301  
Course Notes: or placement

**PER 303 - PERCUSSION (MINOR)**  
Study of required repertory and technique. Presentation of senior recital.  
Credits: 2  
Prerequisites: PER 302  
Course Notes: or placement

**PER 311 - PERCUSSION (MAJOR)**  
Study of required repertory and technique.  
Credits: 3,4  
Prerequisites: PER 214  
Course Notes: or placement

**PER 312 - PERCUSSION (MAJOR)**  
Study of required repertory and technique. Presentation of junior recital.  
Credits: 3,4  
Prerequisites: PER 311  
Course Notes: or placement

**PER 313 - PERCUSSION (MAJOR)**  
Study of required repertory and technique.  
Credits: 3,4  
Prerequisites: PER 312  
Course Notes: or placement

**PER 314 - PERCUSSION (MAJOR)**  
Study of required repertory and technique. Presentation of senior recital.  
Credits: 3,4  
Prerequisites: PER 313  
Course Notes: or placement
MUSIC PERFORMANCE (PERF)

PERF 120 - BEGINNING VOICE
Basic vocal training focused on fundamental techniques (breath support, tone, diction), expression, and interpretation. Ability to read music is desirable.
Credits: 3
Attributes: Humanities
Course Notes: For Non-Majors

PERF 131 - COMPREHENSIVE KEYBOARD LITERACY I
Integration of musical and pianistic literacy resulting in the ability to decode, translate, comprehend, and fluently realize music notation as artistic expression. Course activities include: methodical interpretation, anatomical analysis of piano technique (applied to a study of relevant excerpts), guided listening, efficient practice and rehearsal strategies, keyboard chord progressions, sight/score-reading, figured bass realization, transposition, and preparation for the level I technique examination PIA 215.
Credits: 2
Prerequisites: PIA 211 (may be taken concurrently)

PERF 132 - COMPREHENSIVE KEYBOARD LITERACY II
Continuation of PERF 131 with addition of chromatic progressions and more advanced harmonization, interpretation, practice, sightplaying, and reading materials. Development of aural form recognition.
Credits: 2
Prerequisites: PERF 131

PERF 156 - BEGINNING GUITAR
Introduction to acoustic guitar. Basic right hand and left hand technique and terminology, proper sitting position, development of solo and ensemble playing skills. Introduction to harmony, rhythm, and note reading. Basic accompaniment (finger patterns and with pick) with the goal of singing and playing simultaneously.
Credits: 3

PERF 200 - APPLIED STUDY (LOWER DIVISION)
Private study in major area for students in the first two years of the undergraduate program.
Credits: 4
Course Notes: Consent of department.

PERF 201 - ACADEMIC MAJOR FRESHMAN/SOPHOMORE JURY
For BM/Music Education and BMA majors. Performance of required repertory for a faculty panel.
Credits: 2

PERF 202 - ACADEMIC MAJOR JUNIOR/SENIOR JURY
For BM/Music Education and BMA majors. Performance of required repertory for a faculty panel.
Credits: 0

PERF 211 - LANGUAGE SKILLS FOR SINGERS I
Understanding and use of the body as an instrument to project language. Topics include anatomy, phonation, resonation & articulation, grammar, poetry & poetics, IPA.
Credits: 1
Prerequisites: VOI 211 (may be taken concurrently)

PERF 212 - LANGUAGE SKILLS FOR SINGERS II
Stage diction in Italian, German and French for classical singers. Grammatical and phonetic principles of each. Continued use of IPA.
Credits: 1

PERF 215 - ADVANCED STUDY OF RHYTHM/INTONATION
Intensive study of principles and practices of rhythm and intonation as they apply to successful ensemble performance. Integration of body movement, verbalization, pulse control, analysis. Just intonation. Application of skills in small and large ensemble settings.
Credits: 2
Prerequisites: MUSC 222A and MUSC 222B and MUSC 222C

PERF 231 - COMPREHENSIVE KEYBOARD LITERACY III
Continuation of PERF 132. Advanced focus on methodical interpretation, anatomical analysis of piano technique (through study of relevant excerpts), guided listening, efficient practice and rehearsal strategies, keyboard chord progressions, sight/score-reading, figured bass realization, transposition. Preparation for PIA 215. Topics in early music and the style and technique of playing harpsichord (study of Couperin's L'art de toucher le clavecin).
Credits: 2
Prerequisites: PIA 211 (may be taken concurrently)

PERF 232 - KEYBOARD IMPROVISATION
Improvisation, creating accompaniments, and practical applications for theoretical concepts (e.g. figured bass and continuo realization).
Credits: 2
Prerequisites: PIA 212 (may be taken concurrently)

PERF 233 - COMPREHENSIVE KEYBOARD LITERACY IV
Continuation of PERF 231 with addition of chromatic modulation and more advanced harmonization, improvisation, arranging, interpretation, practice, sightplaying, and reading materials. Advanced aural form recognition.
Credits: 2
Prerequisites: PERF 231

PERF 240 - ELEMENTS OF CONDUCTING
Introduction to the basic elements of conducting. Style, beat patterns, preparatory beat guidelines, cueing, tempo establishment and control, expression, independence of the hands, fermatas and tempo changes, use of the baton.
Credits: 2
Prerequisites: MUSC 122A and MUSC 122B

PERF 260 - JURY EXAM-WOODWINDS (FRESHMAN)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 211 or 212.

PERF 261 - FRESHMAN JURY
Performance of required repertory for a faculty panel.
Credits: 1
Course Notes: Concurrent enrollment in Applied 211 or 212.

PERF 262 - SOPHOMORE JURY
Performance of required repertory for a faculty panel.
Credits: 1
Course Notes: Concurrent enrollment in Applied 211 or 212.

PERF 263 - JURY EXAM-PERCUSSION (FRESHMAN)
Performance of required repertory for a faculty panel.
Credits: 1
Course Notes: Concurrent enrollment in Applied 211 or 212.

PERF 264 - JURY EXAM-WOODWINDS (SOPH)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 213 or 214
PERF 265 - JURY EXAM-BRASS (SOPH)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 213 or 214.

PERF 266 - JURY EXAM-STRINGS (SOPH)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 213 or 214.

PERF 267 - JURY EXAM-PERCUSSION (SOPH)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 213 or 214.

PERF 290 - NON-CURRICULAR FRESHMAN/SOPHOMORE JURY
Performance of repertoire for a panel of department faculty.
Credits: 0
Prerequisites: PERF 200 (may be taken concurrently)
Course Notes: Concurrent enrollment in PERF 200

PERF 300 - PRIVATE APPLIED MUSIC (UG)
Private study in the major area for upper division undergraduate students.
Credits: 2,4
Course Notes: Dept. Instr. consent. Co-req. ELP 70's/80's Level

PERF 301 - STUDY/PERFORMANCE ORCHESTRAL EXCERPTS
Comprehensive review of progress for approval to enter the upper division.
Credits: 0
Course Notes: Level 214 of major instrument Jr. stand.

PERF 308 - ALEXANDER TECHNIQUE
Through application of the methodology of F.M. Alexander, students will explore bodily tension related to physical habits they have developed while performing, and the relationship between tension and stress, performance anxiety, and injury. Activities include readings, projects, and in-class as well as individualized bodywork.
Credits: 2
Prerequisites: PERF 212

PERF 311 - LANGUAGE SKILLS FOR SINGERS III
Advanced interdisciplinary course for senior voice majors addressing projected language. Review of IPA and English, Italian, French, and German languages. Application of concepts and skills in senior recital repertory.
Credits: 1
Prerequisites: PERF 311

PERF 312 - LANGUAGE SKILLS FOR SINGERS IV
Continuation of PERF 311. Advanced studies in project language applied to the senior recital repertory.
Credits: 1
Prerequisites: PERF 311

PERF 313 - JUNIOR RECITAL
Public performance of required repertory (in lieu of jury examination).
Credits: 1
Course Notes: Applied Music level 311 with minimum grade of B-

PERF 314 - SENIOR RECITAL
Public performance of required repertory.
Credits: 1
Course Notes: Applied Music 313 and PERF 362 with minimum grades of B

PERF 327 - JUNIOR/SENIOR OPERA
Staged and costumed production of a complete operatic work, culminating in public performance.
Credits: 1
Prerequisites: VOI 204 or VOI 214

PERF 334 - COMPREHENSIVE GUITAR TECHNIQUE
Exploration of the purpose and approach to the technical exercise. Topics of basic guitar technique, principles of finger mechanics, relation of technique and repertoire, and development of a didactical understanding of the physical approach.
Credits: 2
Prerequisites: GUIT 211 (may be taken concurrently)

PERF 335 - ORCHESTRAL EXCERPTS - BASS
Study of major orchestral works with emphasis on style, technique, musicianship, and ensemble; experience in mock auditions.
Credits: 1
Prerequisites: STB 214

PERF 336 - HISTORY AND PERFORMANCE OF GUITAR LITERATURE
Exploration of the history of the classical guitar and related instruments (lute and vihuela) from the Renaissance to the present day. The range of study will include the physical development of the instruments, techniques, solo and ensemble music (both original and transcriptions) with an emphasis on historic forms and theoretical analysis, composers and prominent performers.
Credits: 3
Prerequisites: GUIT 311
Course Notes: or dept. consent.

PERF 337 - JUNIOR/SENIOR OPERA
Staged and costumed production of a complete operatic work, culminating in public performance.
Credits: 1
Prerequisites: VOI 204 or VOI 214

PERF 338 - CAREER SEMINAR FOR CLASSICAL GUITAR MAJORS
Weekly seminar to educate Classical Guitar Performance majors about professional development and careers in the field beyond solo performance.
Credits: 2
Prerequisites: GUIT 311
Course Notes: or dept. consent.

PERF 340 - COMMUNITY ENGAGEMENT PROJECT
Students participating in Community Engagement Performances will execute the planning and preparation required for concert performances; begin to develop the ability to communicate about music with individuals and target audiences; and reflect on their efforts and achievements, formulating and exploring issues relative to their future careers.
Credits: 0

PERF 342 - ORCHESTRAL EXCERPTS - VIOLIN
Study of major orchestral works with emphasis on style, technique, and musicianship; experience in mock auditions.
Credits: 1
Prerequisites: VLN 214
Course Notes: or consent.

PERF 343 - ORCHESTRAL EXCERPTS - VIOLA
Study of major orchestral works with emphasis on style, technique, and musicianship; experience in mock auditions.
Credits: 1
Prerequisites: VLA 214
Course Notes: or consent.
PERF 344 - ORCHESTRAL EXCERPTS - VIOLONCELLO
Study of major orchestral works with emphasis on style, technique, and musicianship; experience in mock auditions.
Credits: 1
Prerequisites: VCEL 214
Course Notes: or consent.

PERF 360 - JURY EXAM- WOODWINDS (JUNIOR)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 311 or 312.

PERF 361 - JUNIOR JURY
Performance of required repertory for a faculty panel.
Credits: 1
Course Notes: Concurrent enrollment in Applied Music 311

PERF 362 - SENIOR JURY
Performance of required repertory for a faculty panel.
Credits: 1
Course Notes: Concurrent enrollment in Applied Music 313.

PERF 363 - JURY EXAM- PERCUSSION (JUNIOR)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 311 or 312.

PERF 364 - JURY EXAM-WOODWINDS (SENIOR)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 313 or 314.

PERF 365 - JURY EXAM- BRASS (SENIOR)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 313 or 314.

PERF 366 - JURY EXAMS- STRINGS (SENIOR)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 313 or 314.

PERF 367 - JURY EXAM PERCUSSION (SENIOR)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied 313 or 314.

PERF 370 - BRASS PERFORMANCE CLASS
Performance of repertoire for an audience of peers and faculty. Required of all brass majors every semester.
Credits: 0
Course Notes: Consent required.

PERF 376 - WOODWIND PERFORMANCE CLASS
Performance of repertoire for an audience of peers and faculty. Required of all woodwind majors every semester.
Credits: 0
Course Notes: Concurrent registration for applied woodwind lessons

PERF 380 - STRING PERFORMANCE CLASS
Performance of repertoire for an audience of peers and faculty. Required of all string majors every semester.
Credits: 0
Course Notes: Consent required.

PERF 387 - GRADUATE DICTION REVIEW: ENGLISH/GERMAN
Review of principles of English and German diction for singers and use of the International Phonetic Alphabet. No credit toward MM degree.
Credits: 2
Course Notes: By placement.

PERF 390 - NON-CURRICULAR JUNIOR/SENIOR JURY
Performance of repertoire for a panel of department faculty.
Credits: 0
Prerequisites: PERF 300 (may be taken concurrently)
Course Notes: Concurrent registration in PERF 300

PERF 391 - ACADEMIC MAJOR RECITAL
Public performance of required repertory for BM/Music Education and BMA majors.
Credits: 0
Course Notes: Applied Music level 204 with minimum grade of B-

PERF 395 - INDEPENDENT STUDY
Credits: 1-6
Course Notes: Consent of instructor

PERF 397 - UNDERGRADUATE COURSE
Credits: 2

PERF 399 - CURRICULAR PRACTICAL TRAINING- MUSIC
Authorization granted to student in F-1 status for part-time employment integral to the curriculum and directly related to the major.
Credits: 0
MUSIC: PIANO (PIA)

PIA 101 - PIANO (MINOR)
Study of appropriate repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Consent of instructor

PIA 102 - PIANO (MINOR)
Study of appropriate repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 101
Course Notes: or placement

PIA 103 - PIANO (MINOR)
Study of appropriate repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 102
Course Notes: or placement

PIA 104 - PIANO (MINOR)
Study of appropriate repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 103
Course Notes: or placement

PIA 201 - PIANO (MINOR)
Study of appropriate repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: or placement

PIA 202 - PIANO (MINOR)
Study of appropriate repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 201
Course Notes: or placement

PIA 203 - PIANO (MINOR)
Study of appropriate repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 202
Course Notes: or placement

PIA 204 - PIANO (MINOR)
Study of appropriate repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 203
Course Notes: or placement

PIA 205 - PIANO MINOR JURY
Performance of required repertory and technical studies for a panel of faculty.
Credits: 0
Attributes: Humanities

PIA 206 - FUNCTIONAL KEYBOARD SKILLS FOR THE MUSIC EDUCATOR
Functional skills and materials for the choral and general music classroom, including piano accompaniments for vocal warmups; ii-V7-I in all major keys, multiple voicings; sightplaying chorailes and junior high choral scores; study of accompaniments to standard junior high and high school choral repertory; leadsheet realizations.
Credits: 2
Prerequisites: MUSC 222C

PIA 211 - PIANO (MAJOR)
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Course Notes: Consent of instructor

PIA 212 - PIANO (MAJOR)
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 211
Course Notes: or placement

PIA 213 - PIANO (MAJOR)
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 212
Course Notes: or placement

PIA 214 - PIANO (MAJOR)
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 213
Course Notes: or placement

PIA 215 - TECHNIQUE EXAMINATION
Performance of required technical regimen for a jury of program faculty. Must be completed satisfactorily before student may enroll in PIA 311.
Credits: 0
Attributes: Humanities
Prerequisites: PIA 211

PIA 260 - JURY EXAM - PIANO (FRESHMAN)
Performance of required repertory for a panel of faculty.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 211 (may be taken concurrently)

PIA 261 - JURY EXAM - PIANO (SOPHOMORE)
Performance of required repertory for a panel of faculty.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 213 (may be taken concurrently) or PIA 214 (may be taken concurrently)

PIA 271 - JAZZ PIANO
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Course Notes: Placement audition
PIA 272 - JAZZ PIANO
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 271
Course Notes: or placement

PIA 273 - JAZZ PIANO
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 272
Course Notes: or placement

PIA 274 - JAZZ PIANO
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 273
Course Notes: or placement

PIA 300 - PIANO PERFORMANCE CLASS
Credits: 0
Attributes: Humanities

PIA 301 - PIANO (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 204
Course Notes: or placement

PIA 302 - PIANO (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 301
Course Notes: or placement

PIA 303 - PIANO (MINOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 302
Course Notes: or placement

PIA 304 - PIANO (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: PIA 303
Course Notes: or placement

PIA 305 - PIANO (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: PIA 304
Course Notes: or placement

PIA 306 - PIANO (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: PIA 305
Course Notes: or placement

PIA 311 - PIANO (MAJOR)
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 214
Course Notes: or placement

PIA 312 - PIANO (MAJOR)
Study of required repertory and technique. Presentation of junior recital.
Credits: 3
Attributes: Humanities
Prerequisites: PIA 311
Course Notes: or placement

PIA 313 - PIANO (MAJOR)
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 312
Course Notes: or placement

PIA 314 - PIANO (MAJOR)
Study of required repertory and technique. Presentation of senior recital.
Credits: 3
Attributes: Humanities
Prerequisites: PIA 313
Course Notes: or placement

PIA 360 - JURY EXAM - PIANO (JUNIOR)
Performance of required repertory for a panel of faculty.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 311 (may be taken concurrently)

PIA 361 - JURY EXAM - PIANO (SENIOR)
Performance of required repertory for a panel of faculty.
Credits: 2
Attributes: Humanities
Prerequisites: PIA 313 (may be taken concurrently)

PIA 371 - JAZZ PIANO
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 274
Course Notes: or placement

PIA 372 - JAZZ PIANO
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 371
Course Notes: or placement

PIA 373 - JAZZ PIANO
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: PIA 372
Course Notes: or placement

PIA 374 - JAZZ PIANO
Study of required repertory and presentation of senior recital.
Credits: 3
Attributes: Humanities
Prerequisites: PIA 373
Course Notes: or placement
MUSIC: SAXOPHONE (SAX)

SAX 201 - SAXOPHONE (MINOR)
Credits: 2
Attributes: Humanities
Course Notes: Placement audition

SAX 202 - SAXOPHONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 201
Course Notes: or placement

SAX 203 - SAXOPHONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 202
Course Notes: or placement

SAX 204 - SAXOPHONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 203
Course Notes: or placement

SAX 211 - SAXOPHONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

SAX 211Y - SAXOPHONE (MAJOR)
Credits: 2
Attributes: Humanities
Course Notes: Dept. consent

SAX 212 - SAXOPHONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: SAX 211
Course Notes: or placement

SAX 213 - SAXOPHONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: SAX 212
Course Notes: or placement

SAX 214 - SAXOPHONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: SAX 213
Course Notes: or placement

SAX 271 - JAZZ SAXOPHONE
Credits: 2-4
Attributes: Humanities
Course Notes: Placement audition

SAX 272 - JAZZ SAXOPHONE
Credits: 2-4
Attributes: Humanities
Prerequisites: SAX 271
Course Notes: or placement

SAX 273 - JAZZ SAXOPHONE
Credits: 2-4
Attributes: Humanities
Prerequisites: SAX 272
Course Notes: or placement

SAX 274 - JAZZ SAXOPHONE
Credits: 2-4
Attributes: Humanities
Prerequisites: SAX 273
Course Notes: or placement

SAX 300 - SAXOPHONE - GRAD
Credits: 2-6
Attributes: Humanities

SAX 301 - SAXOPHONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 204
Course Notes: or placement

SAX 302 - SAXOPHONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 301
Course Notes: or placement

SAX 303 - SAXOPHONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 302
Course Notes: or placement

SAX 304 - SAXOPHONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 303
Course Notes: or placement

SAX 311 - SAXOPHONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: SAX 214
Course Notes: or placement

SAX 311Y - SAXOPHONE (MAJOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 214
Course Notes: or placement

SAX 312 - SAXOPHONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: SAX 311
Course Notes: or placement

SAX 312Y - SAXOPHONE (MAJOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 311
Course Notes: or placement
SAX 312Z - SAXOPHONE (MAJOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 312Y
Course Notes: or placement

SAX 313 - SAXOPHONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: SAX 312
Course Notes: or placement

SAX 313Y - SAXOPHONE (MAJOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 312
Course Notes: or placement

SAX 313Z - SAXOPHONE (MAJOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 313Y
Course Notes: or placement

SAX 314 - SAXOPHONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: SAX 313
Course Notes: or placement

SAX 314Y - SAXOPHONE (MAJOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 313
Course Notes: or placement

SAX 314Z - SAXOPHONE (MAJOR)
Credits: 2
Attributes: Humanities
Prerequisites: SAX 314Y
Course Notes: or placement

SAX 371 - JAZZ SAXOPHONE
Credits: 2-4
Attributes: Humanities
Prerequisites: SAX 274
Course Notes: or placement

SAX 372 - JAZZ SAXOPHONE
Credits: 2-4
Attributes: Humanities
Prerequisites: SAX 371
Course Notes: or placement

SAX 373 - JAZZ SAXOPHONE
Credits: 2-4
Attributes: Humanities
Prerequisites: SAX 372
Course Notes: or placement

SAX 374 - JAZZ SAXOPHONE
Credits: 2-4
Attributes: Humanities
Prerequisites: SAX 373
Course Notes: SAX 373 or placement
STB 201 - STRING BASS (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: STB 104
Course Notes: Placement audition.

STB 202 - STRING BASS (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: STB 201
Course Notes: or placement.

STB 203 - STRING BASS (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: STB 202
Course Notes: or placement.

STB 204 - STRING BASS (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: STB 203
Course Notes: or placement.

STB 211 - DOUBLE BASS (MAJOR)
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

STB 212 - DOUBLE BASS (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: STB 211
Course Notes: or placement.

STB 213 - DOUBLE BASS (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: STB 212
Course Notes: or placement.

STB 214 - DOUBLE BASS (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: STB 213
Course Notes: or placement.

STB 271 - JAZZ BASS
Credits: 2-4
Attributes: Humanities
Course Notes: Placement audition.

STB 272 - JAZZ BASS
Credits: 2-4
Attributes: Humanities
Prerequisites: STB 271
Course Notes: or placement.

STB 273 - JAZZ BASS
Credits: 2-4
Attributes: Humanities
Prerequisites: STB 272
Course Notes: or placement.

STB 274 - JAZZ BASS
Credits: 2-4
Attributes: Humanities
Prerequisites: STB 273
Course Notes: or placement.

STB 301 - STRING BASS (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: STB 204
Course Notes: or placement.

STB 302 - STRING BASS (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: STB 301
Course Notes: or placement.

STB 303 - STRING BASS (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: STB 302
Course Notes: or placement.

STB 311 - DOUBLE BASS (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: STB 214
Course Notes: or placement.

STB 312 - DOUBLE BASS (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: STB 311
Course Notes: or placement.

STB 313 - DOUBLE BASS (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: STB 312
Course Notes: or placement.

STB 314 - DOUBLE BASS (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: STB 313
Course Notes: or placement.

STB 371 - JAZZ STRING BASS
Credits: 2-4
Attributes: Humanities
Prerequisites: STB 274
Course Notes: or placement.

STB 372 - JAZZ STRING BASS
Credits: 2-4
Attributes: Humanities
Prerequisites: STB 371
Course Notes: or placement.

STB 373 - JAZZ STRING BASS
Credits: 2-4
Attributes: Humanities
Prerequisites: STB 372
Course Notes: or placement.
STB 374 - JAZZ STRING BASS
Credits: 2-4
Attributes: Humanities
Prerequisites: STB 373
Course Notes: or placement.
MUSIC THEORY & ANALYSIS (MTA)

MTA 301 - INSTRUMENTATION/ORCHESTRATION
Study of orchestral instruments, their characteristics and technical capabilities. Analysis of traditional and contemporary orchestral and chamber music; orchestral techniques. Readings of students’ orchestrations in class.
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B and MUSC 222C

MTA 302 - ADVANCED ORCHESTRATION
Scoring for various ensembles; emphasis on larger groups. Study of representative contemporary scores.
Credits: 3
Prerequisites: MTA 301

MTA 304 - COUNTERPOINT
Study of contrapuntal practice, forms, and techniques through readings, analysis, and original compositions.
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B

MTA 305 - FORM AND ANALYSIS
Forms, structures, and styles of selected works from 18th through the 20th century. Emphasis on the origins and evolution of organizational approaches and an introduction to current trends in music theory.
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B and ENG 102

MTA 306 - ANALYSIS OF POST-TONAL MUSIC
Major analytical methodologies of the post-tonal era, and their application to important 20th-21st century compositions. Pitch class set theory and fixed integer notation; dodecaphonic method and the Second Viennese School; post-war multiserialism (Messiaen, Boulez, Stravinsky); sound mass, micropolyphony, and net-structures (Penderecki, Ligeti); aleatoricism and textural technique in Lutoslawski; spectrale; minimalism as aesthetic, style, and technique; New Complexity and irrational meter; polystylist, tempo types, contour theory, multimedia, and musical journalism in the present age (e.g. Gubaidulina, Corigliano, Wolfe, Du Yun).
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B

MTA 325 - INTRO ELECTROACOUSTIC MUSIC
Introduction to music and sonic-art created through the means of electronics and computers. The history and theory of electro-acoustic music, musical acoustics, psychoacoustics, digital audio theory, digital signal processing. Development of listening skills. The main focus is on students’ personal creative projects; students will complete one fixed electronic music project and several assignments on Max/MSP.
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B

MTA 326 - ELECTROACOUSTIC MUSIC II
Continuation of MTA 325. This class focuses on electro-acoustic music composition in fixed media with one instrument, and a brief introduction to live electronics with one instrument and digital video art using Max/MSP/Jitter. This class is offered in conjunction with the biennial Electro-Acoustic Music Festival where all students’ works will be featured as well as works by guest composers.
Credits: 3
Prerequisites: MUSC 222A and MUSC 222B and MUSC 222C and MTA 325

MTA 397 - SPECIAL TOPICS
Enrollment in graduate level coursework. Requires permission of Academic Music Studies Dept. Topics vary by semester.
Credits: 3
MUSIC: TROMBONE (TRBN)

TRBN 201 - TROMBONE (MINOR)
Credits: 2
Attributes: Humanities
Course Notes: Placement audition.

TRBN 202 - TROMBONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: TRBN 201
Course Notes: or placement

TRBN 203 - TROMBONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: TRBN 202
Course Notes: or placement

TRBN 204 - TROMBONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: TRBN 203
Course Notes: or placement

TRBN 211 - TROMBONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

TRBN 212 - TROMBONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: TRBN 211
Course Notes: or placement

TRBN 213 - TROMBONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: TRBN 212
Course Notes: or placement

TRBN 214 - TROMBONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: TRBN 213
Course Notes: or placement

TRBN 271 - JAZZ TROMBONE
Credits: 2-4
Attributes: Humanities
Course Notes: Placement audition.

TRBN 272 - JAZZ TROMBONE
Credits: 2-4
Attributes: Humanities
Prerequisites: TRBN 271
Course Notes: or placement

TRBN 273 - JAZZ TROMBONE
Credits: 2-4
Attributes: Humanities
Prerequisites: TRBN 272
Course Notes: or placement

TRBN 274 - JAZZ TROMBONE
Credits: 2-4
Attributes: Humanities
Prerequisites: TRBN 273
Course Notes: or placement

TRBN 301 - TROMBONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: TRBN 204
Course Notes: or placement

TRBN 302 - TROMBONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: TRBN 301
Course Notes: or placement

TRBN 303 - TROMBONE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: TRBN 302
Course Notes: or placement

TRBN 311 - TROMBONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: TRBN 214
Course Notes: or placement

TRBN 312 - TROMBONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: TRBN 311
Course Notes: or placement

TRBN 313 - TROMBONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: TRBN 312
Course Notes: or placement

TRBN 314 - TROMBONE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: TRBN 313
Course Notes: or placement

TRBN 371 - JAZZ TROMBONE
Credits: 2-4
Attributes: Humanities
Prerequisites: TRBN 274
Course Notes: or placement

TRBN 372 - JAZZ TROMBONE
Credits: 2-4
Attributes: Humanities
Prerequisites: TRBN 371
Course Notes: or placement

TRBN 373 - JAZZ TROMBONE
Credits: 2-4
Attributes: Humanities
Prerequisites: TRBN 372
Course Notes: or placement
TRBN 374 - JAZZ TROMBONE
Credits: 2-4
Attributes: Humanities
Prerequisites: TRBN 373
Course Notes: or placement
### MUSIC: TRUMPET (TRPT)

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TRPT 374 - JAZZ TRUMPET
Credits: 2-4
Attributes: Humanities
Prerequisites: TRPT 373
Course Notes: or placement
# MUSIC: TUBA (TUBA)

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MUSIC: VIOLA (VLA)

VLA 201 - VIOLA (MINOR)
Credits: 2
Attributes: Humanities
Course Notes: Placement audition

VLA 202 - VIOLA (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VLA 201
Course Notes: or placement

VLA 203 - VIOLA (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VLA 202
Course Notes: or placement

VLA 204 - VIOLA (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VLA 203
Course Notes: or placement

VLA 211 - VIOLA (MAJOR)
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

VLA 212 - VIOLA (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 211
Course Notes: or placement

VLA 213 - VIOLA (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 212
Course Notes: or placement

VLA 214 - VIOLA (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 213
Course Notes: or placement

VLA 301 - VIOLA (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VLA 204
Course Notes: or placement

VLA 302 - VIOLA (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VLA 301
Course Notes: or placement

VLA 303 - VIOLA (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VLA 302
Course Notes: or placement

VLA 311 - VIOLA (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 214
Course Notes: or placement

VLA 312 - VIOLA (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 311
Course Notes: or placement

VLA 313 - VIOLA (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 312
Course Notes: or placement

VLA 314 - VIOLA (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 313
Course Notes: or placement
MUSIC: VIOLIN (VLN)

VLN 201 - VIOLIN (MINOR)
Credits: 2
Attributes: Humanities
Course Notes: Placement audition.

VLN 202 - VIOLIN (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VLN 201
Course Notes: or placement

VLN 203 - VIOLIN (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VLN 202
Course Notes: or placement

VLN 204 - VIOLIN (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VLN 203
Course Notes: or placement

VLN 211 - VIOLIN (MAJOR)
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

VLN 212 - VIOLIN (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLN 211
Course Notes: or placement

VLN 213 - VIOLIN (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLN 212
Course Notes: or placement

VLN 214 - VIOLIN (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLN 213
Course Notes: or placement

VLN 301 - VIOLIN (MINOR)
Credits: 2
Attributes: Humanities
Course Notes: VLN 204 or placement

VLN 302 - VIOLIN (MINOR)
Credits: 2
Attributes: Humanities
Course Notes: VLN 301 or placement

VLN 303 - VIOLIN (MINOR)
Credits: 2
Attributes: Humanities
Course Notes: VLN 302 or placement

VLN 311 - VIOLIN (MAJOR)
Credits: 3,4
Attributes: Humanities
Course Notes: VLN 214 or placement

VLN 312 - VIOLIN (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLN 311
Course Notes: or placement

VLN 313 - VIOLIN (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLN 312
Course Notes: or placement

VLN 314 - VIOLIN (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VLN 313
Course Notes: or placement
# MUSIC: VIOLONCELLO (VCEL)

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MUSIC: VOICE (VOI)

VOI 100 - FRESHMAN PERFORMANCE CLASS
Credits: 0
Attributes: Humanities
Course Notes: Concurrent enrollment in VOI 211 or 212.

VOI 101 - VOICE (MINOR)
Credits: 2
Attributes: Humanities

VOI 102 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 101
Course Notes: or placement

VOI 103 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 102
Course Notes: or placement

VOI 104 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 103
Course Notes: or placement

VOI 199 - VOCAL COACHING
Credits: 0
Attributes: Humanities
Course Notes: Voice Dept. consent

VOI 200 - SOPHOMORE PERFORMANCE CLASS
Credits: 0
Attributes: Humanities
Prerequisites: VOI 212
Course Notes: Concurrent enrollment in VOI 213 or 214.

VOI 201 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Course Notes: or placement

VOI 202 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 201
Course Notes: or placement

VOI 203 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 202
Course Notes: or placement

VOI 204 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 203
Course Notes: or placement

VOI 211 - VOICE (MAJOR)
Credits: 3,4
Attributes: Humanities
Course Notes: or placement

VOI 212 - VOICE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VOI 211
Course Notes: or placement

VOI 213 - VOICE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VOI 212
Course Notes: or placement

VOI 214 - VOICE (MAJOR)
Credits: 3,4
Attributes: Humanities
Prerequisites: VOI 213
Course Notes: or placement

VOI 230 - FRESHMAN/SOPHOMORE SHOWCASE
Departmental performance project for students enrolled in VOI 100 and VOI 200.
Credits: 1
Attributes: Humanities

VOI 230Y - FRESHMAN/SOPHOMORE SHOWCASE
Departmental performance project for students enrolled in VOI 100 and VOI 200.
Credits: 0
Prerequisites: VOI 100 (may be taken concurrently)

VOI 250 - JURY EXAM (FRESHMAN)
Credits: 1
Attributes: Humanities
Course Notes: Concurrent enrollment in VOI 211 or 212.

VOI 251 - JURY EXAM (SOPHOMORE)
Credits: 1
Attributes: Humanities
Course Notes: Concurrent enrollment in VOI 213 or 214.

VOI 271 - JAZZ VOICE
Credits: 2-4
Attributes: Humanities
Course Notes: Placement audition.

VOI 272 - JAZZ VOICE
Credits: 2-4
Attributes: Humanities
Prerequisites: VOI 271
Course Notes: Consent

VOI 273 - JAZZ VOICE
Credits: 2-4
Attributes: Humanities
Prerequisites: VOI 272
Course Notes: Consent

VOI 274 - JAZZ VOICE
Credits: 2-4
Attributes: Humanities
Prerequisites: VOI 273
Course Notes: Consent

VOI 300 - JUNIOR VOICE PERFORMANCE CLASS
Credits: 0
Attributes: Humanities
Course Notes: Concurrent enrollment in VOI 311 or 312.
VOI 301 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 204
Course Notes: or Placement

VOI 302 - VOICE (MINOR)
Credits: 2, 4
Attributes: Humanities
Prerequisites: VOI 301
Course Notes: or placement

VOI 303 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 302
Course Notes: or placement

VOI 304 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 303
Course Notes: or placement

VOI 305 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 304
Course Notes: or placement

VOI 306 - VOICE (MINOR)
Credits: 2, 4
Attributes: Humanities
Prerequisites: VOI 305
Course Notes: or placement

VOI 311 - VOICE (MAJOR)
Credits: 3, 4
Attributes: Humanities
Prerequisites: VOI 214
Course Notes: or placement

VOI 311Z - VOICE (MAJOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 311Y
Course Notes: or placement

VOI 312 - VOICE (MAJOR)
Credits: 3, 4
Attributes: Humanities
Prerequisites: VOI 311
Course Notes: or placement

VOI 313 - VOICE (MAJOR)
Credits: 3, 4
Attributes: Humanities
Prerequisites: VOI 312
Course Notes: or placement

VOI 314 - VOICE (MAJOR)
Credits: 3, 4
Attributes: Humanities
Prerequisites: VOI 313
Course Notes: or placement

VOI 325 - JUNIOR/SENIOR PERFORMANCE CLASS
Workshop course in skills needed to become an effective stage performer (acting, movement, role preparation).
Credits: 0
Attributes: Humanities
Prerequisites: VOI 214

VOI 330 - JUNIOR/SENIOR OPERA PROJECT
Departmental performance project for students enrolled in VOI 300 and VOI 325.
Credits: 1
Attributes: Humanities

VOI 330Y - JUNIOR/SENIOR OPERA PROJECT
Departmental performance project for students enrolled in VOI 300 and VOI 325.
Credits: 0
Prerequisites: VOI 300 (may be taken concurrently) or VOI 325 (may be taken concurrently)

VOI 350 - JURY EXAMINATION-JUNIOR
Credits: 1
Attributes: Humanities
Course Notes: Concurrent enrollment in VOI 311.

VOI 351 - JURY EXAMINATION-SENIOR
Credits: 1
Attributes: Humanities
Course Notes: Concurrent enrollment in VOI 313.

VOI 371 - JAZZ VOICE
Credits: 2-4
Attributes: Humanities
Prerequisites: VOI 274
Course Notes: Consent

VOI 372 - JAZZ VOICE
Credits: 2-4
Attributes: Humanities
Prerequisites: VOI 371
Course Notes: Consent

VOI 373 - JAZZ VOICE
Credits: 2-4
Attributes: Humanities
Prerequisites: VOI 372
Course Notes: Consent

VOI 374 - JAZZ VOICE
Credits: 2-4
Attributes: Humanities
Prerequisites: VOI 373
Course Notes: Consent

VOI 375 - JAZZ VOICE
Credits: 2, 4
Attributes: Humanities
Prerequisites: VOI 374
Course Notes: or placement

VOI 399 - VOCAL COACHING
Credits: 0
Attributes: Humanities
Course Notes: Voice Dept. consent
NATURAL SCIENCE (NSCI)

NSCI 102 - NATURAL SCIENCE LAB
NSCI 102 lab focuses on scientific inquiry and the study of the natural world. Students gain experiences in the application of the scientific method towards the understanding of concepts in ecology and geography. Meets General Education requirements for life or physical science laboratory when taken concurrently with non-majors biology or physical science course. Not for majors credit in the sciences.
Credits: 1
Attributes: Lab Course, Natural Science
Course Notes: This online laboratory courses fulfills the core requirement, of Physical or Life Science Lab. It can be taken, concurrently with Physical Geography I or The Nature of, Science.

NSCI 151 - THE SCIENCE OF DISCOVERY
This course introduces students to current concepts and basic techniques in modern biology, chemistry and physics. Students will also be introduced to the scientific literature, writing short science reports, critical thinking, and the opportunity to work with several science faculty in laboratory or field environments. Course counts as credit in the major for biology, chemistry or biochemistry.
Credits: 1
Attributes: Natural Science
Course Notes: Summer First Wave participants only
ORGANIZATIONAL LEADERSHIP (OLED)

OLED 310 - MEDIA OUTLETS: THEORY & PRACTICE
The course allows students to explore the fundamentals of public relations, messaging, identity crafting and media management, including how to conduct a media interview, as well as participate in a press conference and media interview. Simultaneously, students will work on the mechanics of media writing.
Credits: 3

OLED 320 - INTRODUCTION TO ORGANIZATIONAL COMMUNICATIONS
Communication theory in the organizational environment; communication patterns and issues internal to an organization. Topics include communication theory, organizational structure, barriers to communication, gender, and diversity.
Credits: 3

OLED 325 - ORGANIZATIONAL COMMUNICATIONS II
The changing organizational environment, strategic communication, corporate image, internal and external communication around organizational identity and crisis communication. Students make managerial decisions through case study analysis and develop a phased plan to deal with the immediate communication issues as well as to strengthen organizational communication over time.
Credits: 3
Prerequisites: OLED 320

OLED 330 - FOUNDATIONS OF ORGANIZATIONAL LEADERSHIP
Fundamental concepts for leaders, such as leadership style and followership, as well as specific leadership traits and styles are discussed. Students analyze their own leadership qualities as they study changing organizational models and changes in leadership demands.
Credits: 3

OLED 335 - ORGANIZATIONAL CHANGE
This course investigates the processes through which organizations change and evolve in order to stay competitive in a rigorous global environment. Effective change management is discussed, agents of change, planning, communication, employee engagement, barriers to change, and measuring outcomes.
Credits: 3

OLED 340 - PERSUASION & PRESENTATION SKILLS
The ability to influence with words and imagery is core to the successful organizational communications function. Students will work on personal presentation ability as well as tailoring presentation materials to the audience.
Credits: 3

OLED 342 - MEDIA WRITING: TELLING THE BIG STORY
All compelling writing has a strong dramatic arch, but in media writing the focus has to be to educate, as well as entertain. Students will focus on the structures of communication, how to position a story within the context of virtual options, and reinforce consistent messaging around brand and identity. This course focuses on the elements of storytelling while communicating provocative, important and factual information. This is a required course for Organization Communication students.
Credits: 3
Attributes: Adult Flex Track

OLED 350 - GROUP DYNAMICS & FACILITATION
This course examines the reasons that organizations form work groups and how these groups evolve into effective decision-making teams in the workplace. The reasons for using a facilitator are discussed. Facilitation, as a mechanism to create greater group efficiency, is investigated. The skills, techniques and attitudes of productive meeting facilitation are explained.
Credits: 3
Attributes: Adult Flex Track

OLED 355 - SOCIAL JUSTICE & DIVERSITY
This course focuses on understanding the differences (diversity) among people including but not limited to race, ethnicity, national origin, gender, age, sexual orientation, physical and mental ability and how these differences affect stakeholders and leaders in the workplace as well as the impact they have in terms of domestic and international commerce and enterprise. Additionally, the course will focus on the related issues of globalization, corruption, trade policies, corporate responsibility, sustainable and renewable practices, and how social justice can be integrated specific to each topic.
Credits: 3

OLED 360 - EVIDENCE-BASED DECISION MAKING
This course looks into how various social media technologies can be leveraged, but also evaluates them for effectiveness with the end goal of being able to predict the next “big thing” and strategically choose from among various social media tools. Emphasis will be placed on the decision-making process for new media tools and the application of strategy to the choices available to the practitioner. This is a required course for Organization Communication students.
Credits: 3

OLED 365 - SOCIAL JUSTICE & DIVERSITY
This course focuses on understanding the differences (diversity) among people including but not limited to race, ethnicity, national origin, gender, age, sexual orientation, physical and mental ability and how these differences affect stakeholders and leaders in the workplace as well as the impact they have in terms of domestic and international commerce and enterprise. Additionally, the course will focus on the related issues of globalization, corruption, trade policies, corporate responsibility, sustainable and renewable practices, and how social justice can be integrated specific to each topic.
Credits: 3

OLED 368 - ORGANIZATION BEHAVIOR
Students will investigate the patterns of interaction common to modern organizations. Emphasis will be on effective communication techniques in a multi-cultural world and understanding the dynamics of organized culture.
Credits: 3

OLED 370 - LEADERSHIP DEVELOPMENT
Students will engage with ideas around leadership qualities, development plans and developmental action items. The scalability of leadership competencies is explored and a personal leadership development plan is a part of this course.
Credits: 3
Course Notes: Offered in fall only.

OLED 372 - ORGANIZATION DEVELOPMENT
A variety of techniques will be investigated which will enable students to proactively facilitate organizational learning through appropriate organization development interventions. The course will emphasize the balance of traditional humanistic values with pressing, modern organizational concerns and focus, specifically on the alignment of vision, mission and practice.
Credits: 3
OLED 375 - CONFLICT & NEGOTIATION
This course explores the role of conflict in organizations. Students will practice a process-based approach to successfully navigating issues of conflict and negotiation. Students will develop observational skills, methods for solution and alternative idea generation, and be able to identify appropriate conflict management modes.
Credits: 3

OLED 378 - POWER & INFLUENCE
Students will reflect on the meaning of power and authority with history's great thinkers; explore how power is expressed and used in organizations. Student will learn about the effective use of power beyond compliance and toward commitment.
Credits: 3

OLED 380 - STRATEGY, VISION, & PLANNING
Strategic planning and its implementation are major factors in the success or failure of any organization. Leadership is key to developing and communicating a vision that drives this process. An examination of strategic planning and leadership and their roles in maintaining competitiveness in organizations.
Credits: 3
Prerequisites: OLED 320 and OLED 325

OLED 385 - SOCIAL MEDIA STRATEGIES
Student will immerse themselves in electronic information sharing strategies and methods to use this tool to serve a variety of organizational communication purposes. Principles for wider application in multiple industries will be stressed.
Credits: 3
PARALEgal Studies (Para)

Para 101 - What Is Law?
This course provides a basic overview of law, social media in the law, and an introduction to the legal profession. Lectures, class discussions, and in-class interactive activities will focus on the methods in which laws are created, the evolution of law in American society, the political and social origins and forces which create these changes in the legal system, and how the law affects our daily lives and our communities.
Credits: 3
Course Notes: Formerly offered as 'Introduction to Law' and can not be, repeated for credit.

Para 102 - Civil Litig
This course provides the student with a general overview of the federal and state judicial systems, including jurisdiction and venue. Students will study the rules governing operation of the courts and the litigation process from the filing of a complaint through settlement or verdict, execution of a judgment and appeal.
Credits: 3

Para 105 - Leg Res & Writ
The student is given an overview of legal research and writing techniques and methodologies. Through research projects, the student will become familiar with legal citation form, state and federal reporter and statutes, legal encyclopedia and treaties, and other legal publications. The student will perform research using a manual and computer-assisted legal research tools. The student will formalize research results in memorandum form utilizing legal vocabulary and accepted writing techniques.
Credits: 3

Para 111 - Trts & Pers Inj
Students will be given an overview of legal research and writing techniques. Analysis and application of the principles of law will encompass both plaintiff's and defendant's perspectives.
Credits: 3

Para 121 - Bus Organiztions
Sole proprietorships, partnerships, corporations and the principal/agency relationship are the fundamental frameworks that all businesses are built upon. Students will review the dynamics of each business form and will learn how to establish each entity in compliance with state statutes.
Credits: 3

Para 211 - Est, Wls & Trst
Students will learn about a comprehensive estate plan. The topics discussed will include an overview of the law of wills and trusts, drafting of wills and trusts, estate administration, probate practice, calculation and closing of the estate and related tax considerations.
Credits: 3

Para 212 - Real Estate
This is an introductory overview of real estate law and its applications to the sale and purchase of property. Areas to be covered include the roles of the attorney, paralegal, broker and title company in the real estate process, the various ways property can be owned and the financing of the real estate purchase. There will be strong emphasis on the review and preparation of documents required to complete a real estate transaction.
Credits: 3

Para 213 - Domestic Relations
Students will be given an overview of various issues surrounding the law of domestic relations. Students will examine the creation of the marital relationship, termination of marital status, property rights and distribution, maintenance, parental responsibility, parenting time, and child support issues, and enforcement of orders and judgments. Students will also explore adoption, parentage, and domestic violence statutes and related issues.
Credits: 3

Para 221 - Commercial Law
This course provides the student with an overview of contract law and relevant provisions found within the Uniform Commercial Code. The students will learn how to assist in the preparation of business contracts.
Credits: 3

Para 280 - Ethics & Professional Responsibility
This course provides students with an understanding of the rules of professional conduct and their application to paralegals.
Credits: 3

Para 299 - Advanced Legal Research and Writing
This course provides an in-depth look at advanced legal research methodology and writing skills. Utilizing the research techniques students have mastered in PAR 105, they will research and write legal memoranda and briefs, focusing on the use of sources, citation format, and thorough written analysis of research.
Credits: 3

Para 301 - Ethics & Professionalism
This course covers legal ethics with an emphasis on how the rules affect paralegals. Students learn about the regulation of the legal profession including the rules of conduct that govern both attorneys and paralegals. Topics include the meaning and importance of the unauthorized practice of law, the attorney-client privilege and its related work product doctrine, confidentiality, the rules governing conflicts of interest and other topics ethical in nature. Law office management is also addressed.
Credits: 3
Prerequisites: ENG 102
Course Notes: Same course as LAWA L03.

Para 302 - Legal Research
The basics of legal research. Students will learn how to use the many research tools of the law library and how to research online using both computerized legal databases as well as legal research on the Internet. Proper citation to the various legal authorities will be covered. Working in the area of tort litigation, students learn how to read, analyze and apply the law. An emphasis will be on legal reasoning as students learn how to develop logical and practical legal arguments.
Credits: 3
Course Notes: Same course as LAWA L02.

Para 303 - Civil Law
In this survey course, students learn the fundamentals of several areas of the law relating to civil practice including torts, property, wills & estates, domestic relations, and intellectual property. Instructors emphasize current legal events. Written assignments include case briefs and other written exercises designed to increase students' understanding of the subject matters.
Credits: 3
Course Notes: Same course as LAWA L03.
PARA 304 - LITIGATION I
The pre-trial litigation process in civil matters. Jurisdiction and Venue; What and Where to File; Overview of state and Federal court systems; Client and witness interviews; factual investigations; pre-trial motions; Illinois Supreme Court Rules of Discovery including depositions, interrogatories; answers and pre-trial motions; Introduction to the concept of E-Discovery; litigation strategy; administrative remedies and procedures; brief overview of evidence; Federal and Illinois Rules of Civil Procedure and local court rules.
Credits: 3
Course Notes: Same course as LAWA L04., Junior Standing Required

PARA 305 - COMMERCIAL LAW
In this survey course, students learn the fundamentals of laws relating to business. The course places an emphasis on the law of contracts and on the law of business organizations, but also covers bankruptcy law, environmental law, investor protection and corporate governance. Written assignments include case briefs and other written exercises/analyses designed to increase the students' understanding of the subject matters.
Credits: 3
Course Notes: Same course as LAWA L05., Junior Standing Required

PARA 306 - ADVANCED LITIGATION AND E-DISCOVERY
This course covers the use of E-Discovery in the preparation of a case for trial, on-going discovery, the trial process, and the post-trial process including hands-on exercises using E-Discovery software and case management software. Review and understanding of the EDRM (E-Discovery Reference Model) and the Federal and State Rules of Civil Procedure defining the various aspects of E-Discovery and Electronically Stored Information (ESI).
Credits: 3
Prerequisites: PARA 304
Course Notes: Same course as LAWA L06., Junior Standing Required

PARA 309 - LEGAL TECHNOLOGY
This course is designed to increase the students' understanding of the subject matters. Assignments include case briefs and other written exercises/analyses allowing for significant personal feedback on their writing from the instructor.
Credits: 3
Course Notes: Same as LAWA L27. LAP Dept. consent

PARA 323 - ESTATES, TRUSTS & WILLS
This course covers the practical aspects of estate planning and estate administration. Students will obtain a basic understanding of the legal principles involved in estate work. After reviewing theory and the laws of the State of Illinois and the Federal tax laws, students focus on the preparation of documents incident to an estate practice. Students will gain an understanding of the advantages and disadvantages of estate forms and learn what forms are best for the particular situation at hand.
Credits: 3
Course Notes: Junior Standing Required

PARA 325 - LEGAL WRITING
The course includes a review of grammar basics, the Uniform System of Citation, and a series of written assignments ranging from simple case briefs and business letters to a complex research memorandum that integrates research, analysis and writing skills. Students will be drafting legal documents during class and as outside homework assignments, allowing for significant personal feedback on their writing from the instructor.
Credits: 3
Prerequisites: PARA 302
Course Notes: Same course as LAWA L25., Junior Standing Required

PARA 327 - CORPORATIONS AND LLC LAW
This course provides students with the basics of corporate practice and looks at the various aspects of corporate and securities law with a focus on the practical side of the law. Students will learn how to prepare appropriate forms relating to, and develop an understanding of the different types of business entities, sole proprietorships, limited and general partnerships, subchapter S corporations, limited liability corporations and public and privately held corporations. Students draft partnership agreements, articles of incorporation, stock certificates, meeting notices and resolutions, annual reports and learn to maintain corporate minute books.
Credits: 3
Course Notes: Same as LAWA L27. LAP Dept. consent

PARA 329 - LEGAL TECHNOLOGY
The basics of software applications being utilized in the law firm environment. Students will learn how to use Microsoft applications and specific computer skills often required from paralegals. Students will also learn legal-specific software applications being utilized internationally. An emphasis will be placed on how the various software applications help paralegals organize a case from the beginning through trial.
Credits: 3
Prerequisites: PARA 304
Course Notes: Same course as LAWA L29., Junior Standing Required
PARA 330 - PARALEGAL INTERNSHIP
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Students must apply for and be selected by an intern sponsor that the
program has made arrangements with in order to enroll in this course.
It may also be possible for a student to secure an internship on their
own; however this must be approved by the program in advance of the
internship start date. This course provides the student intern with an
opportunity to gain practical work experience under the supervision of
an attorney in day-to-day, on-site paralegal work. In addition to on-site
work, the student will meet with the program's Internship Coordinator
during the semester to discuss their progress, and will participate in
online discussions with other student interns through Blackboard. Finally,
upon completion of the on-site work, the student intern will submit a
portfolio and a self-evaluation report on their experiences during the
internship. The student must complete a minimum of 135 hours of work
at the internship site in order to pass the course
Credits: 3
Prerequisites: PARA 301 (may be taken concurrently) and (PARA 302
(may be taken concurrently) or PARA 304 (may be taken concurrently))
Course Notes: Junior Standing Required

PARA 332 - LABOR AND EMPLOYMENT LAW
This course provides an overview of labor and employment law: labor-
management relations (which include collective bargaining, labor
contracts, unfair labor practices and the rights of management and
bargained-for employees) and employee-employer relations (which
include at-will employment, contracts, employment discrimination
laws, privacy rights and benefits). Students will develop an in-depth
understanding of relevant laws as they work on hypothetical cases
involving a grievance and discrimination charge, as well as other projects.
Credits: 3
Course Notes: Junior Standing Required

PARA 333 - PARALEGAL INTERNSHIP II
This course provides the student intern with an opportunity to gain
practical work experience under the supervision of an attorney in day-to-
day, on-site paralegal work. Students must apply for and be selected
by an intern sponsor that the Paralegal Studies Program has made
arrangements with in order to enroll in this course. Students must have
completed PARA 330 Paralegal Internship to be eligible for PARA 333
Paralegal Internship II.
Credits: 3
Prerequisites: PARA 330
PHILOSOPHY (PHIL)

PHIL 101 - INTRODUCTION TO PHILOSOPHY
Basic philosophical questions in metaphysics, theory of knowledge, political theory, ethics, and philosophy of religion. Representative answers to be found in writings of classical and contemporary philosophers.
Credits: 3
Attributes: Humanities, Social Science

PHIL 102 - PHILOSOPHIES OF LIFE
Credits: 3
Attributes: Humanities, Social Science

PHIL 103 - HISTORY OF PHILOSOPHY
A survey of major philosophers and philosophical movements from the ancient world through the 19th century.
Credits: 3
Attributes: Humanities, Social Science

PHIL 130 - JUSTICE, LIBERTY, EQUALITY
This course covers contemporary problems and theoretical reflections drawn from ancient, modern and contemporary sources about justice, liberty and equality.
Credits: 3
Attributes: Humanities, Social Science

PHIL 204 - PHILOSOPHY OF RELIGION
The concepts of God, faith and reason, religious experience, the problem of evil, and religion and morality.
Credits: 3
Attributes: Humanities, Non-western Culture, Social Science

PHIL 206 - PHILOSOPHY IN LITERATURE
Philosophical problems found in selected novels, short stories, plays, poems, and essays.
Credits: 3
Attributes: Humanities, Social Science

PHIL 209 - CRITICAL THINKING
Practical training in informal analysis and evaluation of arguments encountered in everyday events.
Credits: 3
Attributes: Humanities, Social Science

PHIL 210 - LOGIC
Deductive and inductive logic; analysis of propositions and arguments and fallacies of reasoning.
Credits: 3
Attributes: Humanities, Legal Studies, Social Science

PHIL 219 - WORLD RELIGIONS
A survey of the histories and beliefs of the major world religions, including Hinduism, Buddhism, Judaism, Christianity, and Islam. Satisfies non-Western requirement.
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture, Social Science

PHIL 220 - BUDDHISM
Origins of Buddhism in ancient India. Major schools of Buddhist thought in contrast to Western philosophy. Contemporary Buddhism in the West.
Credits: 3
Attributes: Non-western Culture

PHIL 230 - ETHICS
Classical ethical systems such as those of Plato, Aristotle, Hume, Kant, Mill, and Nietzsche.
Credits: 3
Attributes: Humanities, Social Science

PHIL 240 - THE ENLIGHTENMENT
This course will examine philosophical and political texts, along with works of drama, music, and art from the seventeenth and eighteenth centuries. These investigations will serve a larger mission of answering the dominant question of this unique period of history: What is Enlightenment?
Credits: 3
Attributes: Humanities, International Studies, Social Science

PHIL 250 - ON HAPPINESS
A consideration of alternative conceptions of human fulfillment; among other themes, we will examine the relation of happiness to love, morality, and mortality.
Credits: 3
Attributes: Humanities, Social Science

PHIL 290 - TOPICS IN PHILOSOPHY
A detailed analysis of a major movement, problem, work, or future in modern or contemporary philosophy.
Credits: 3
Attributes: Humanities, Social Science

PHIL 323 - PERSIAN LETTERS
A study of Montesquieu's eighteenth century epistolary novel, Persian Letters.
Credits: 3
Attributes: Humanities, Social Science

PHIL 324 - POLITICS & LITERATURE
A philosophical understanding of political life through the reading of literature. Topics may include oppression, tyranny, compromise, jealousy, friendship, equality, liberty, and justice.
Credits: 3
Attributes: Humanities, Social Science

PHIL 330 - PHILOSOPHY OF NATURE
A philosophical examination of the fundamental differences between the natural world and the human world and between the world of necessity and the world of artifice.
Credits: 3
Attributes: Humanities, Social Science

PHIL 331 - PHILOSOPHY OF TECHNOLOGY
Social and ethical implications of new technology; problems in contemporary environmental ethics.
Credits: 3
Attributes: Humanities, Social Science

PHIL 340 - SOCIAL & POLITICAL PHIL
Political philosophers such as Plato, Locke, and Marx or themes such as liberty, justice, and power.
Credits: 3
Course Notes: 1-PHIL course; PHIL 205 recomm'd
PHIL 342 - POLITICS AND SOCIETY
A philosophical study of the nature of politics and the nature of society. What is the relationship between society and culture? What is the role of art in society? What is politics? Is it a necessary feature of modern life? Why does it take the forms that it does? Why are politics and conflict so tightly knitted together? We will consider these questions through readings drawn from philosophy, sociology, political science, and economics and authors such as Georg Simmel, Hans Speier, Alfred Schutz, Michel Foucault, Jacques Derrida, Edward Shils, F.A. Hayek, Annette Baier, Judith Shklar, and Karl Marx.
Credits: 3

PHIL 343 - PHILOSOPHY & TYRANNY
A philosophical study of tyranny through the writings of Sophocles, Herodotus, Xenophon, Plato, Montesquieu, Marx and Hannah Arendt.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of Philosophy

PHIL 350 - PHILOSOPHY IN FILM
Philosophy through the medium of film. Topics may include appearance and reality, justice, political myths, friendship, violence, the individual and the community, the meaning of life, and love and sex. Readings and film(s) for each topic.
Credits: 3
Attributes: Humanities, Social Science
Course Notes: 1 course in PHIL or Literature.

PHIL 355 - EXISTENTIALISM
We will explore issues of human freedom, commitment, vulnerability, and authenticity by reading authors such as Kierkegaard, Dostoyevsky, Nietzsche, Heidegger, and Camus
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of Philosophy
Course Notes: 1 course in PHIL.

PHIL 361 - METAPHYSICS ANCIENT AND MODERN
Metaphysics Ancient and Modern. We will explore the greatest questions of metaphysics: the relation between speech, being, and soul, between the visible and the intelligible, and between the perishable and the imperishable.
Credits: 3
Attributes: Humanities, Social Science
Course Notes: Prerequisites: 3 hrs of PHIL w/min grade of C.

PHIL 371 - HERODOTUS
This is a one book course on Herodotus’s ‘Histories’ a work which is at the same time historical, literary, and philosophical. The themes of the ‘Histories’ are timely because they are timeless: freedom, slavery, tyranny, oppression, diversity, national character, the power of speech and the power of deed, and eros and its perversions.
Credits: 3
Attributes: Humanities, Social Science
Course Notes: 1 course in Philosophy required.

PHIL 372 - PLATO ON LOVE
This course is devoted to Plato’s dialogue, The Symposium, the subject of which is love.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of Philosophy

PHIL 374 - UTOPIAS
Thomas More’s ‘Utopia,’ which gave us the word “utopia” itself, enjoyed its 500th anniversary in 2016. This course reflects on whether the idea of a utopia still makes sense and, if so, what its use is.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of Philosophy

PHIL 380 - TOPICS IN PHILOSOPHY
Detailed analysis of a major movement, problem, work, or future in modern or contemporary philosophy.
Credits: 3
Attributes: Humanities, Social Science
Course Notes: One course in Philosophy or instr. consent

PHIL 384 - PHILOSOPHICAL PSYCHOLOGY
An examination of fundamental psychological concepts (e.g., perception, consciousness, memory, shame, emotions and rationality) from a philosophical perspective.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: 3 Credit Hours of Philosophy

PHIL 395 - INDEPENDENT STUDY
Study of a particular philosopher, movement, or problem.
Credits: 1-4
Course Notes: Consent

PHIL 399 - SENIOR RESEARCH PROJECT
A research project in the student’s area of concentration done under the direction of the area advisor or another appropriate faculty member.
Credits: 1-3
Course Notes: Sr.stand. consent
PHYSICAL SCIENCE (PHSC)

PHSC 101 - PHYSICAL GEOGRAPHY I
Earth materials, structure and landforms; interaction between human beings and landscapes in the context of natural resources and human activity.
Credits: 3
Attributes: Natural Science
Course Notes: Satisfies general education physical science requirement.

PHSC 103 - GLOBAL CLIMATE CHANGE
Application of basic principles of science to atmospheric chemistry and climate change. Principles and topics covered include: atoms and molecules, what energy is and why it is conserved, alternative energy, absorption of light, the difference between climate change and the ozone hole, and possible solutions to environmental problems. Lecture and optional laboratory. Appropriate for non-science majors with little or no science background; education students, or for intended science majors wishing to review elementary physical scientific principles. Meets General Education requirements for laboratory physical science (if laboratory taken; otherwise meets physical science lecture course requirement). Not for majors credit in the sciences.
Credits: 3
Attributes: Natural Science

PHSC 104 - SEVERE AND UNUSUAL WEATHER
This course will focus on the meteorological processes that lead to severe and unusual weather events and patterns. This course will examine thunderstorms, tornadoes, hurricanes, flash floods, drought and winter storms. Whenever possible, real-time weather data will be incorporated and severe weather events that occur in the United States during the course of our study will be examined. The societal impact of severe and unusual weather will also be studied.
Credits: 3
Attributes: Natural Science

PHSC 105 - INTRODUCTION TO ENVIRONMENTAL SCIENCE
A study of the basic principles of geology, chemistry, biology and ecology behind important environmental issues that include pollution, biodiversity, conservation and sustainability. Special emphasis will be placed on the unique challenges posed by urban environments. Discussions will include social issues such as environmental philosophy, economics, ethics and policy.
Credits: 3
Attributes: Natural Science

PHSC 107 - HOW THE WORLD WORKS
This course provides an introduction to the basic principles and concepts of physics as it relates to the world around us and how it works. It will deal with mechanics, heat, sound, matter, fluids, gases, electromagnetism, circuits, optics, atomic and nuclear physics. For example, it will explain the connection with the blue color of the sky and the red sunset. Laboratory investigations will allow students to explore the fundamental properties of the physical world, including matter, energy and electromagnetism.
Credits: 3
Attributes: Natural Science
Course Notes: Open to freshmen, Not for science major credit.
PHYSICS (PHYS)

PHYS 201 - INTRODUCTION TO NON-CALCULUS BASED PHYSICS I
Empirical analysis of experimental data; kinematics and dynamics of a particle; energy, linear momentum, and gravitation. Lecture and Lab course.
Credits: 1,3
Attributes: Lab Course, Natural Science
Prerequisites: MATH 122 or MATH 231 (may be taken concurrently)

PHYS 202 - INTRO TO NON-CALCULUS PHYSICS II
Static and dynamic electricity; electric and magnetic fields; electromagnetic radiation. Lectures and laboratory. Lecture and Lab course.
Credits: 1,3
Attributes: Lab Course, Natural Science
Prerequisites: MATH 122 or MATH 231 and PHYS 201

PHYS 233 - CALCULUS-BASED PHYSICS I DISCUSSION
Calculus-based derivations and applications for the physics I topics of mechanics and thermodynamics.
Credits: 1
Attributes: Natural Science
Prerequisites: MATH 231 (may be taken concurrently)

PHYS 234 - CALCULUS-BASED PHYSICS II DISCUSSION
Calculus derivations and applications of physics principles related to electromagnetism and light.
Credits: 1
Attributes: Natural Science
Prerequisites: MATH 232 (may be taken concurrently) and PHYS 233
Course Notes: Must also register for PHYS 202 lecture.

PHYS 392 - RESEARCH IN PHYSICS
Independent science laboratory research experience under the guidance of a faculty researcher; 1 to 4 semester hours total may be applied toward the BS degree. Students may register in consecutive semesters.
Credits: 1-4
Attributes: Natural Science
Course Notes: Consent of instructor. $100 per semester hour. Students must arrange for independent laboratory research, experience with a science faculty member, prior to registration.

PHYS 395 - INDEPENDENT STUDY
Independent library research culminating in a formal review paper on a topic approved by the instructor.
Credits: 1-2
Attributes: Natural Science
Prerequisites: PHYS 201 (may be taken concurrently)
Course Notes: Consent of instructor. Students must arrange for a library independent study, with an instructor prior to registration; may register for only 1 SH per semester, up to two semesters.
POLICY STUDIES (PST)

PST 212 - CONTEMPORARY URBAN ISSUES
Contemporary urban issues from a sociological perspective. Analysis of urban problems; global impact on cities; spatial structuring of race, class, gender, and inequality.
Credits: 3
Attributes: Social Justice Studies, Social Science
POS 101 - UNITED STATES POLITICS
The processes and functions of US governmental institutions; Constitutional framework; relationship between politics and the economy; relationship between the states and the national government; political culture; participation and representation; contemporary public policy problems.
Credits: 3
Attributes: Social Science

POS 102 - INTRODUCTION TO COMPARATIVE POLITICS
Diverse governments and political systems; how to understand and compare them. Various methods for analyzing developing and industrialized countries.
Credits: 3
Attributes: International Studies, Social Science

POS 103 - INTRODUCTION TO INTERNATIONAL RELATIONS
Major international problems of our day. Power; American foreign policy; problems in the Third World. Principles underlying international relations; reliable research resources.
Credits: 3
Attributes: International Studies, Social Science

POS 104 - INTRODUCTION TO POLITICAL THEORY
How should we understand the relationship between the individual and the state? What gives a state authority, and what are the limits of that authority? What is liberty and what is the role of the state in protecting and promoting liberty? How should power be distributed? These are enduring questions in political thought. In this class we consider the ways that Western political thought has answered these questions, and raise alternative possibilities by considering perspectives such as feminism, indigenous traditions, socialism, and anarchism.
Credits: 3
Attributes: Social Science

POS 110 - INTRODUCTION TO POLICY STUDIES
This introductory course offers an understanding of common policy areas and the analytical tools needed to understand policy issues commonly discussed in the public arena. Readings center on on exploring definitions, media portrayals, and the politics of public policy. Class discussions will focus on exploring how public policy shapes the sociopolitical landscape and offers the legal framework for aspects of public/private life. Understanding policy is a broad endeavor, yet includes considerations of cultural norms, political power struggles and legal frameworks.
Credits: 3
Attributes: Social Science

POS 200 - INTRODUCTION TO SOCIAL JUSTICE STUDIES
Various ways of conceptualizing social justice; how the social sciences can be used to understand questions of social justice; case studies in collective action for social justice.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: ENG 101
Course Notes: Completion UWR

POS 210 - RACE IN U.S. POLITICS
Race has played a central role in U.S. politics from colonial days through the present. This class considers the persistence of systemic inequity in the U.S. as well as resistance and liberation movements in response to social, political, and economic oppression. Contemporary issues are considered through the lens of historic and continued structural racism within the U.S., paying particular attention to the role of the state and political actors in creating and perpetuating systemic racial disparities through public policy and political rhetoric.
Credits: 3
Attributes: Social Justice Studies, Social Science
Course Notes: Open to freshmen, No additional credit given for ‘RACE IN AMERICAN POLITICS

POS 220 - THE AMERICAN JUDICIARY
This course considers courts as political institutions and will examine the institutional features of the courts, judicial decision-making and factors that constrain it, the relationship between the courts and the other branches of government, and whether/how courts can be used to effect significant political change.
Credits: 3
Attributes: Social Science

POS 241 - PRESIDENTIAL PRIMARIES
Every four years, both Democrats and Republicans hold an elaborate, year-long spectacle to choose their party's presidential nominee. Typically beginning with televised debates more than 6 months before the first contest, the primaries are fought across all 50 states, many of which use radically different procedures to choose delegates, and only conclude with the party's summer nominating convention. Where did this system come from? Why do both parties let Iowa and New Hampshire go first? How much influence do party elites have over the nomination process? Why do candidates tend to win their home states? What kind of voters turn out for these elections? In this course, we will critically analyze the history of American presidential primaries, from the early 20th century reform era to the crucial reforms of the 1970s. We will also build understanding of how nominees are chosen, and whether the U.S. primary process could stand another round of significant reform. And of course, we will spend considerable time analyzing the 2020 race for the Democratic and Republican nominations for president.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 and ENG 102
Course Notes: Completion UWR

POS 242 - INTERNATIONAL ORGANIZATION AND LAW
This course covers global governance and international organizations in the area of security, economics, regional integration, and law (e.g., UN, IMF, World Bank, EU, International Court of Justice, and the International Criminal Court). We will cover why they exist, how they work, what effects they have, and why some don't work as promised. We'll also cover why some efforts to create more robust organizations, regional integration, and law are unsuccessful
Credits: 3
Attributes: International Studies, Social Science
POS 250B - URBAN ENVIRONMENTAL JUSTICE
What is "environmental justice"? How is environmental justice different than "environmentalism" or "conservation"? How and why has use (and abuse) of the earth's resources in the US (and Chicago specifically) become unequal? How can individuals, governments, and communities restore greater justice? What are the stakes if we fail to do so? These are some of the questions we will engage this course, as well as generating new ones. Protecting rights may be the ultimate justification for government. Yet here and elsewhere, governments fail to protect, and often violate, basic rights. The US considers itself an exemplar of justice, but allows some parts of the population to consume huge amounts of the earth's resources, through systematic deprivation of other parts of the population. Residents of urban areas have been, traditionally, simultaneously the ones most likely to be exposed to environmental ills and the most unlikely to benefit from environmental goods (including safe drinking water, clean air, safe soil, uncontaminated watersheds, and safe outdoor spaces). This has created, for many communities, systematic and mutually reinforcing disadvantages. Increasing disconnection from nature can create greater atomism, lack of social capital, and lack of political power make it particularly hard to advocate for greater social and environmental justice for the very people who have most born the burdens of injustices. This state of affairs presents an inescapable practical and ethical challenge that we must meet. Therefore we will explore cases of environmental injustice here in the Chicago area, through site visits and partnerships with outside experts. The course will engage us in local-level investigations of global political and social trends.
Credits: 3
Attributes: Grounds for Change, Social Science

POS 250C - PUBLIC HEALTH ISSUES & IDEAS
This course provides students with an understanding of concepts and tools for measuring health in populations. In addition they will be able to comprehend and characterizes the relationship of the public health system with medical care and other elements of the overall health system and identify the government's unique contributions through federal, state, and local public health agencies. Public health broadly involves an array of biological, environmental, social, cultural, behavior, and service utilization factors that are all associated with health. Underlying this is an understanding that the success or failure of the collective actions and decisions thus we are all accountable to each other in order to produce the best results. To that end the class, through case studies, will also focus on ways in which positive changes can be made in order to improve these systems and individuals within them in order to move them towards improved quality and quantity of health for all.
Credits: 3
Attributes: Grounds for Change
Prerequisites: ENG 102

POS 280 - SPECIAL TOPICS
Topics vary, check schedule
Credits: 3
Course Notes: .

POS 292 - NORTH KOREA & NUCLEAR SECURITY
This course examines the controversy surrounding the nuclear program pursued by North Korea. Examining the history of diplomacy from the Agreed Framework of 1994 to the collapse of negotiations in the Bush Administration, students will explore issues of nuclear security and nuclear war as they apply to North Korea and around the world. By understanding the history of the conflict, as well as key concepts in the study of nuclear security, students will gain fluency in nuclear debates as well as understanding of the political dynamics guiding the renewed hostility between the Trump Administration and the regime of Kim Jong-un.
Credits: 3
Attributes: International Studies, Social Science

POS 295 - INDEPENDENT STUDY
Credits: 1-3

POS 301 - INTRO TO PUBLIC ADMINISTRATION
Overview of field and profession of public administration. Survey of social and historical environment of public agencies. See Padm 300.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101

POS 302 - PROBLEMS IN U.S. FOREIGN POLICY
Organization of US government for conduct of foreign policy. Case studies of military, economic, and political foreign affairs.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: POS 101 or POS 102 or POS 103

POS 308 - SLAVERY, RACE, AND THE LAW
This course will explore the interaction of slavery, race, and the law in the United States from colonial times through Reconstruction. Politics, economics, culture, and the law all played a role in shaping the institution of slavery as well as modern conceptions of race. The course reading will include both secondary works and original documents, including excerpts of trial transcripts, Supreme Court decisions, state legal codes, and first-person narratives. We will focus on a number of larger issues, such as the role legal codes played in creating racial identities, how race shaped notions of citizenship, and how slavery influenced the Constitution.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101

POS 310 - APPLIED SOCIAL RESEARCH
This course guides students through an independent research project on a topic of their choosing. It ensures students are able to write a high-quality thesis using sophisticated research methods. Learning objectives include: research design, practical data analysis skills, critical and analytical thinking skills, sophisticated quantitative literacy, including the ability to critique social science methods. The course will prepare students to go beyond being consumers of knowledge to being producers of knowledge.
Credits: 3
Attributes: Honors Program, Social Science
Prerequisites: ENG 222
POS 311 - POVERTY POLICY
This course focuses on the policy processes, historical context, and sociocultural issues surrounding antipoverty policy in the United States, including how poverty is defined and applied. In understanding poverty and antipoverty policy in the United States this course pays particular attention to issues of place, gender, and race.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: 9 Credit Hours of Soc. Sciences

POS 319 - THE WORLD TURNED UPSIDE DOWN: HAMILTON'S AMERICA
This course explores the political changes leading to the American Revolution along with the intellectual, cultural and social revolutions that occurred during the eighteenth century. Family relations, consumer behavior, even the way people spoke—all underwent profound transformations. While the American Revolution gave birth to a new political order, these other revolutions gave birth to a new way of being in the world, one that continues to shape our lives.
Credits: 3
Attributes: Social Science
Prerequisites: (POS 101 and ENG 102) or 3 Credit Hours of History

POS 320 - UNITED STATES CONGRESS
Give students an understanding of the US Congress and its nature of representation within a representative democracy. It will examine the origin and development of Congressional institutions. It will also explore the effects of parties, committee leadership, lobbying, elections, the bureaucracy, media, and constituent's demands on Congress. Additionally, it will cover the impact of the other branches of government such as the judiciary and executive branches in relationship to how Congress governs.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 and ENG 102

POS 321 - CONTEMPORARY POLITICAL THOUGHT
This course explores emerging (and re-emerging) political theories that seek to challenge and offer alternatives to contemporary Western neoliberal political economy. We will focus on theoretical works that are grounded in a relational perspective, drawing from theorists working in or influenced by feminist, ecological, indigenous, anarchist, process and pragmatist traditions.
Credits: 3
Attributes: Social Science
Prerequisites: POS 104 or 9 Credit Hours of Soc. Sciences

POS 324 - POLITICS & LITERATURE
Works of literature that explore significant political themes, such as alienation, revolutionary movements, utopias, and anti-utopias and the development and expression of political, social, economic, religious, and philosophical ideas.
Credits: 3
Attributes: Social Science
Prerequisites: POS 104 or POS 329 or 3 Credit Hours of Philosophy

POS 325 - TRANSATLANTIC PERSPECTIVES ON WRONGFUL CONVICTIONS
In the US and the Netherlands, both democracies, the most basic processes of criminal justice too often fail due to flawed judicial processes and weaknesses in the structure of the criminal justice system. This state of affairs presents an inescapable practical and ethical challenge that we must meet. In order to do so, we must discover the unique challenges and opportunities presented by our own political context. We can only do this fully when we view our own context in comparative perspective. In this course we will explore, especially cases of wrongful conviction, here and abroad, through distance learning that virtually combines students and faculty at Roosevelt and the University of Tilburg, and will include in-person guest lectures on the part of each faculty member on the others' campus.
Credits: 3
Attributes: International Studies
Prerequisites: POS 102 or POS 103
Course Notes: or instructor consent.

POS 326 - FOOD JUSTICE: FOOD POLICY IN US
This course considers the complicated politics of food regulation, production, distribution, and consumption. During the semester we will discuss how food policy is made and its practical impacts. We will look at the world of agricultural lobbying, subsidies, and policy making. We will consider consumer rights, worker rights, and environmental justice issues within food production. And, we will examine some of the various social movements that have emerged in response to these issues, including the growing food sovereignty movement.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: 9 Credit Hours of Soc. Sciences

POS 327 - SEXUALITY, GENDER, AND INTERNATIONAL HUMAN RIGHTS
Contemporary issues of gender and sexuality in international human rights theory, law, and practice.
Credits: 3
Attributes: International Studies, Social Science, Women Gender Studies
Prerequisites: (POS 101 and POS 102) or (POS 103 or POS 201 or POS 203) and ENG 102
Course Notes: consent.

POS 329 - PHILOSOPHY OF LAW
Philosophic issues and theories concerning the nature of law, the role of the judiciary, justifications of punishment, types of liability, and considerations of justice. Practical application of theory is made to cases considering such policy topics as the death penalty, equal protection, workplace discrimination, and class-based discrimination.
Credits: 3
Attributes: Legal Studies, Social Science
Prerequisites: POS 101 or POS 104
Course Notes: or consent; Political Science and/or Philosophy recommended

POS 334 - VOTING POLICY
This course examines voting from an operational perspective. The course provides students a working knowledge of theories and practices related to organizing elections and ensuring that votes are fairly cast and accurately counted. In addition, the course explores current trends such as redistricting and campaigning that affect the fairness of elections. Finally, the course considers the effect of partisanship, campaigns and media on voting decisions.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 and ENG 102
POS 338 - FIELD INTERNSHIP IN POLITICS AND LAW
Students work in Chicago-area political and legal organizations. Required paper based on relevant readings and analysis of work experiences. Early consultation necessary to arrange appropriate placement.
Credits: 3
Attributes: International Studies, Social Science
Course Notes: Six courses in major and consent of instructor.

POS 339 - POLITICAL VIOLENCE & TERRORISM
This course explores the nature, causes and effects of contemporary terrorism. What is terrorism and who defines it? Is terrorism modern or is it a recurring feature of global political history? What are the goals of terrorism, and who is the audience? What causes terrorism, and what strategies have governments and organizations pursued to diminish or end it? The course addresses the long history of terrorism, the role of states in promoting and fighting it and then focuses primarily on the global rise of terrorism beginning in the 1960s through 9/11 and the War on Terror.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: POS 101 or POS 103

POS 340 - THE UNITED STATES PRESIDENCY
Contemporary and historical perspectives on the presidency. Elements of presidential power; presidential selection; politics of the presidency; presidential personality; president and media; relations of president with courts, Congress, and bureaucracy. See Libs 340.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 and ENG 102

POS 341 - PRESIDENTIAL PRIMARIES
Every four years, both Democrats and Republicans hold an elaborate, year-long spectacle to choose their party's presidential nominee. Typically beginning with televised debates more than 6 months before the first contest, the primaries are fought across all 50 states, many of which use radically different procedures to choose delegates, and only conclude with the party's summer nominating convention. Where did this system come from? Why do both parties let Iowa and New Hampshire go first? How much influence do party elites have over the nomination process? Why do candidates tend to win their home states? What kind of voters turn out for these elections? In this course, we will critically analyze the history of American presidential primaries, from the early 20th century reform era to the crucial reforms of the 1970s. We will also build understanding of how nominees are chosen, and whether the U.S. primary process could stand another round of significant reform. And of course, we will spend considerable time analyzing the 2020 race for the Democratic and Republican nominations for president.
Credits: 3
Attributes: Social Science, Women Gender Studies
Prerequisites: POS 101 and ENG 102

POS 342 - CONTEMPORARY CIVIL WARS
This course introduces students to the scientific study of modern civil wars, with specific focus on their inception, the dynamics of violence, and the challenge of political order. In the process, the course will address the principal debates of the subfield, including, but not limited to, the role of class, ethnicity, regime type, and repression. Although principally within political science, the course draws on theory and scholarship from related disciplines, especially sociology and economics.
Credits: 3
Prerequisites: POS 102 (with a min grade of C) OR POS 203 (with a min grade of C)
Attributes: International Studies, Non-western Culture, Social Science

POS 343 - TOPICS: ECONOMIC JUSTICE IN URBAN SETTING
Examination of selected human rights problems and efforts to address them in Chicago, followed by comparisons with conditions and efforts in another city abroad. Comparisons are used by students to generate solutions to difficult local problems.
Credits: 3-6
Attributes: International Studies, Social Justice Studies, Social Science
Prerequisites: POS 102 or POS 103

POS 344 - POLITICAL VIOLENCE & TERRORISM
This course explores the nature, causes and effects of contemporary terrorism. What is terrorism and who defines it? Is terrorism modern or is it a recurring feature of global political history? What are the goals of terrorism, and who is the audience? What causes terrorism, and what strategies have governments and organizations pursued to diminish or end it? The course addresses the long history of terrorism, the role of states in promoting and fighting it and then focuses primarily on the global rise of terrorism beginning in the 1960s through 9/11 and the War on Terror.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: POS 101 or POS 103

POS 345 - ENVIRONMENTAL POLITICS
This course examines the relationship between poverty, development, and environmental sustainability in a variety of national settings. It examines examples of sustainable and unsustainable development and analyzes the outcomes of different developmental pathways. Finally, it explores responses through both national and international conservation movements.
Credits: 3
Attributes: Social Science, Environmental Studies
Prerequisites: POS 101 and POS 103 or POS 203

POS 346 - POLITICS OF CONSERVATION
This course examines the politics of the domestic and transnational conservation movement, as well as the costs and benefits of conservation efforts. We will discuss international legal and scientific responses, battles over control of the scientific agenda, responses within both developed and developing nations, and proposed strategies of adaptation.
Credits: 3
Attributes: Social Science, Environmental Studies
Prerequisites: POS 101 or POS 103

POS 347 - ENVIRONMENTAL POLITICS
This course examines the relationship between poverty, development, and environmental sustainability in a variety of national settings. It examines examples of sustainable and unsustainable development and analyzes the outcomes of different developmental pathways. Finally, it explores responses through both national and international conservation movements.
Credits: 3
Attributes: Social Science, Environmental Studies
Prerequisites: POS 101 and POS 103 or POS 203

POS 348 - POLITICS OF CLIMATE CHANGE
This course examines the domestic and international causes of, and responses to, climate change. We will discuss international legal and scientific responses, battles over control of the scientific agenda, responses within both developed and developing nations, and proposed strategies of adaptation.
Credits: 3
Attributes: Social Science, Environmental Studies
Prerequisites: POS 101 or POS 103

POS 349 - POLITICS OF CONSERVATION
This course examines the politics of the domestic and transnational conservation movement, as well as the costs and benefits of conservation efforts. We will discuss international legal and scientific responses, and responses within both developed and developing nations.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: POS 101

POS 350 - HEALTH POLICY
Health policy examines the development by government and other policy makers of present and future objectives pertaining to health care and the health care system. It will focus on the articulation of arguments and decisions regarding these objectives in legislation, judicial opinions, regulations, guidelines, standards, and key health policy influences that affect health care and public health. This includes the role of economic, technological, social, cultural and other influences on policy development; and the effects of resulting policies, guidelines, standards and protocols.
Credits: 3
Attributes: Social Science
POS 358 - INTERNATIONAL RELATIONS OF THE MIDDLE EAST
Exploration of the international politics of the Middle East, tracing the development of Western interests in the region. Instead of exploring the region from the perspective of the West, however, the course will take seriously the foreign policy histories and goals of the states of the Middle East, exploring regional rivalries, energy politics, the rise and fall of pan-Arab nationalism, the so-called ‘War on Terror’, and the enduring significance of the Arab-Israeli conflict for regional politics.
Credits: 3
Attributes: International Studies, Non-western Culture, Social Science
Prerequisites: POS 103
Course Notes: or consent.

POS 362 - URBAN POLITICS: THE WIRE AND URBAN AMERICA
This course will use HBO’s The Wire as a lens for exploring various problems afflicting urban America today. We will study the show in its own right as an artistic product worthy of investigation (some critics have called it the greatest television show ever made), and we will use the show as a springboard for thinking about inequality, crime and punishment, work and labor markets, education, and politics. The assigned readings will analyze social, economic, political and cultural factors that shape the experiences of the urban poor and that have created the kind of urban landscape depicted in The Wire.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 (may be taken concurrently) or POS 102 (may be taken concurrently) or POS 103 (may be taken concurrently)
Course Notes: consent

POS 363 - URBAN POLICY
Policies and policy-making processes at all levels of government that shape quality of life in metropolitan areas; relationship between political and market processes; class, gender, racial, and regional consequences of different policies.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 and ENG 102

POS 367 - SOCIAL MOVEMENTS
This course examines current trends in social movements, looking at examples in both the U.S. and international contexts. Emphasis is on radical social movements seeking systemic transformation of social, economic, and political institutions. We will consider not only the societal power dynamics these movements seek to change but the power dynamics at play within the movements themselves, paying particular attention to issues of intersectionality. Some questions the course addresses: How do movements emerge? What does it mean for movements to exist within a globally-networked world? How do movements that address different issues develop solidarity across movements? What are the implications for community organizing?
Credits: 3
Attributes: International Studies, Social Justice Studies, Social Science
Prerequisites: 9 Credit Hours of Soc. Sciences
Course Notes: with minimum grade of a C. Instructor consent.

POS 368 - OIL AND TROUBLE: AMERICA IN THE MIDDLE EAST
This course examines the policy history of U.S. foreign policy in the Middle East, since 1945, seeking to understand the economic, ideological and geostrategic importance of the region to American interests. Since the end of WWII, the U.S. has become progressively more involved in the politics of the Middle East, from Eisenhower’s intervention in Lebanon in 1958 to the invasion of Iraq in 2003. Drawing on theories of international relations and foreign policymaking, this course is designed to help students understand why this happened, why leaders made the choices they did, and to sort through the consequences. Students will also develop the policy analysis skills sought by leading government agencies and non-profit organizations in the field.
Credits: 3
Attributes: International Studies, Non-western Culture, Social Science
Prerequisites: POS 101 or POS 102 or POS 103

POS 372 - ISSUES IN THE DEVELOPMENT AND ADMINISTRATION OF PUBLIC POLICY
Interaction of policy making and implementation; selected issues in public policy; impact of politics on administration.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 and ENG 102
Course Notes: or consent of the instructor.

POS 374 - UNITED STATES CONSTITUTIONAL LAW
This course focuses on major aspects of American constitutional law, including the debates at the Constitutional Convention, the separation of powers, federalism, and other significant areas of constitutional debate. Particular attention is given to the Supreme Court’s interpretation of these issues.
Credits: 3
Attributes: Legal Studies, Social Science
Prerequisites: POS 101 and ENG 102

POS 375 - CIVIL RIGHTS & CIVIL LIBERTIES
This course examines the relationship between the government and individuals by focusing on the Supreme Court’s interpretation of the Bill of Rights and includes consideration of topics such as discrimination on the basis of race or sex, freedoms of speech and religion, and the right to privacy.
Credits: 3
Attributes: Legal Studies, Social Science
Prerequisites: POS 101 and ENG 102

POS 376 - ISSUES IN THE DEVELOPMENT AND ADMINISTRATION OF PUBLIC POLICY
Interaction of policy making and implementation; selected issues in public policy; impact of politics on administration.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 and ENG 102

POS 381 - GLOBAL CHICAGO
Course explores the various forces shaping Chicago in the era of globalization and what this entails for the built environment, social policy and people's everyday experience of the city. Central themes include: changes in urban economic development and labor markets, global city building, urban development and gentrification, public and affordable housing policies, new strategies of policing and surveillance, Green practices and environmental policy, immigration, and challenges confronting the education system.
Credits: 3
Prerequisites: POS 101 and ENG 102
In the years following World War II, the United States experienced a period of unprecedented economic expansion, unrivalled world power, and a political consensus that American-style liberalism was leading the nation into an era of peace and prosperity. By the 1960s, though, the country faced a series of challenges to these optimistic assumptions. Attacks from the left and the right left the post-war liberal consensus in tatters and eventually led to a resurgent conservative movement. We will explore the collapse of the post-war order both domestically and internationally and attempt to understand the forces that have led to our current political moment.

Credits: 3
Attributes: International Studies, Social Science
Prerequisites: POS 101

POS 390 - TOPICS: U.S. POLITICS
Topics vary by semester.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 and ENG 102

POS 392 - TOPICS: INTERNATIONAL POLITICS
Topics vary by semester.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: POS 103

POS 393 - WRITING ABOUT POLITICS
Writing About Politics is an intensive writing workshop that explores various forms of political writing — op-eds, magazine profiles, first-person essays and long-form essays — that appear in the pages of the world’s most well-read publications, including The New Yorker, the New York Times Magazine, the London Review of Books, The Atlantic and more. Students will gain first-hand experience writing for different audiences, using a broad variety of styles and approaches. The class itself will combine discussion of prominent examples of these forms with a writing workshop where the learning community will discuss student essays and articles together in a supportive environment dedicated to respectful dialogue and thoughtful feedback.
Credits: 3
Attributes: Social Science
Prerequisites: POS 101 and ENG 102
Course Notes: Sr.Sem.

POS 395 - INDEPENDENT STUDY
Individual projects pursued under an instructor's supervision.
Credits: 1-4
Attributes: Social Science

POS 397 - INDEPENDENT STUDY
Credits: 3
Attributes: Social Science
PROFESSIONAL & LIBERAL STUDIES (PLS)

PLS 397 - ADVANCED RESEARCH DESIGN AND EVALUATION
The purpose of this seminar is to prepare the student for the final senior thesis project by exploring topic development, research design, the preparation of preliminary bibliographies, the evaluation of online, print, primary, and scholarly sources, and a review of the principles of academic writing and the effective use of evidence. By the end of the class, the student will have selected a topic for the thesis, a working annotated bibliography, tentative thesis statement, and a full formal proposal in preparation for the full thesis.
Credits: 3
Attributes: Adult Flex Track
Prerequisites: PLS 201 or PLS 302 and ENG 102
Course Notes: Open to students in the Fast-Track Program for Adults.

PLS 398 - SENIOR THESIS
Using the materials developed during PLS 397, this course consists of writing and submitting a full draft of the thesis by responding to critiques from fellow students and the instructor, and learning to revise and reorganize as necessary. Learners will produce the completed thesis of 15-20 pages. Other typical assignments may include writing workshops, a formal abstract, and visual/oral presentation of the final results of the thesis.
Credits: 3
Attributes: Adult Flex Track
Prerequisites: PLS 397
Course Notes: Open to students in the Fast-Track Program for Adults.
PSYCHOLOGY (PSYC)

PSYC 103 - INTRODUCTORY PSYCHOLOGY
Introduction to the major conceptual schools, theoretical approaches, research methodologies, and applied psychological practice, such as counseling, clinical, forensic, and behavioral health.
Credits: 3
Attributes: Social Science

PSYC 106 - FORENSIC SCIENCE
The application of scientific techniques to: crime scene assessment, documentation, and reconstruction; identification and assessment of criminal perpetrators; and evaluations of witnesses' accuracy and truthfulness.
Credits: 3
Attributes: Social Science

PSYC 108 - HUMAN SEXUALITY
Sexuality from youth to old age, including the development of gender identity, sexual orientation, and sex roles. Review of the physiology and psychology of sexual arousal, adult sexual behavior in its many manifestations, and a brief introduction to sexual dysfunction.
Credits: 3
Attributes: Social Science, Women Gender Studies

PSYC 200 - INTRODUCTORY STATISTICS
Quantitative methods for interpreting results of psychological research. Averages; variability concepts; correlation; reliability of basic statistical concepts, especially in relation to sampling problems. This course is a prerequisite to Psy 270 and 307 and may not be taken concurrently with either.
Credits: 3
Attributes: Social Science
Notes: Basic knowledge of algebra required

PSYC 201 - ABNORMAL PSYCHOLOGY
Development, symptoms, and patterns of maladaptive behavior; introduction to disorders such as anxiety, depression, schizophrenia, and others.
Credits: 3
Attributes: Social Science
Prerequisites: PSYC 103

PSYC 203 - STRESS, COPING, & MINDFULNESS
Self-help course with student participation and homework. Causes and costs of stress. Review of relaxation, meditation, and active coping techniques from the perspective of mindfulness meditation. Relaxation/meditation exercises include: progressive muscle relaxation, autogenic training, breathing exercises, yoga stretching, imagery, mindfulness meditation, and making personal relaxation tapes. Active coping includes: problem solving, stressful negative thinking, time management and procrastination, making and building relationships, assertiveness, and managing anger and aggression. Creating your own relaxation and mindfulness program. Not a substitute for psychotherapy or counseling; not a training course for health professionals.
Credits: 3
Attributes: Social Science
Notes: Credit only for 'Coping with Stress, or 'Stress, Coping Mindfulness.' Credit only, for PSYC 203 or PSYC 204.

PSYC 205 - DRUGS AND HUMAN BEHAVIOR
Contemporary drug use in our society from behavioral, biological, and social perspectives; review of prevention and treatment approaches.
Credits: 3
Attributes: Social Science
Prerequisites: PSYC 103

PSYC 211 - PSYCHOLOGY STUDY OF RACISM
The purpose of this course is to familiarize the student with the field of psychology's study of racism and prejudice; and engage the student an experiential investigation of racism and prejudice via group discussions, viewing of films on the topics, and additional readings as assigned.
Credits: 3
Attributes: Non-western Culture, Social Science
Prerequisites: ENG 101

PSYC 215 - LEARNING & DEVELOPMENTAL DISABILITIES
Review of disorders such as autism, attention deficit/hyperactivity disorder, learning disabilities, and intellectual disabilities. Discussion of implications for home and school settings.
Credits: 3
Attributes: Social Science
Prerequisites: PSYC 103
Course Notes: Course will count for Child and Family elective.

PSYC 219 - INDEPEND STUDY
Independent Study allows a student to explore a topic or area of interest. The student will propose a topic for tutorial study under the guidance of a supervising faculty member.
Credits: 3

PSYC 220 - SOCIAL PSYCHOLOGY
Processes of human interaction. Social influences of family, membership groups, mass media, socioeconomic class. Selected forms of social reaction patterns; attitudes, language, crowd behavior, and common prejudices.
Credits: 3
Attributes: Social Science
Prerequisites: PSYC 103

PSYC 242 - ANIMAL BEHAVIOR
Evolutionary, developmental, and environmental bases of animal behavior. Emphasis on birds and mammals. Communication, decision making, motivation, learning, memory, social behavior, and mating system. See Biol 242.
Credits: 3
Attributes: Social Science
Prerequisites: PSYC 103

PSYC 243 - THEORIES OF PERSONALITY
Organized nature of personality from psychodynamic, humanistic/existential, behavioral, and cognitive points of view; biological and cultural determinants of personality; overview of personality research.
Credits: 3
Attributes: Social Science
Prerequisites: PSYC 103

PSYC 246 - HUMAN DEVELOPMENT
This course will explore human development from conception to death. In a chronological fashion, each phase of the human lifespan will be examined in terms of physical, cognitive, social, and emotional development. The periods of infancy, childhood, adolescence, adulthood and death are studied.
Credits: 3
PSYC 254 - CHILDHOOD AND ADOLESCENCE
Psychological development of the child, prenatal to young adulthood. Theory and research of emotional, social, and mental growth. Self-concept from early childhood origins to late adolescence identity formation.
Credits: 3
Attributes: Social Science
Prerequisites: PSYC 103
Course Notes: Course will count, as elective for concentration in Child and Family Studies.

PSYC 262 - SPORTS PSYCHOLOGY
Sport psychology is an applied field aimed at using the fundamental principles in psychology toward increasing performance in sport and exercise. Success in athletic activities is dependent upon many factors, including motivation, confidence, presence of role models, personality, social environment, and mastery of cognitive skills. Another focus is aimed at helping individuals meet their athletic potential and even applying the principle to enhancing life outside of sport and exercise.
Credits: 3

PSYC 270 - PSYCHOLOGICAL TESTS
Introduction to measurement theory and the statistical principles underlying the objective assessment of intelligence, personality traits, abilities, and attitudes; standardization, reliability, and validity; limitations and abuses of test scores in evaluation; review of commonly used psychological tests.
Credits: 3
Attributes: Social Science
Prerequisites: PSYC 103

PSYC 285 - RESEARCH METHODS
Introduction to the scientific methods used in psychological research, including measurement, descriptive studies and the case study method, correlational and experimental methods; technical report writing; development of critical thinking skills in appreciating published research.
Credits: 3
Attributes: Social Science
Prerequisites: PSYC 103

PSYC 285R - GROUP DYNAMICS
This course provides an overview of the theories, research, and self-understanding of group processes and intergroup relations, with an emphasis on the communication behavior of individuals within group structures. A broad range of topics will be explored including the stages of group development, decision-making techniques, group problems, resolution skills, conformity, ethics, and various approaches to intergroup biases and prejudice. This course will provide an in-depth look at group work with an emphasis on practical knowledge and techniques for effective group involvement and leadership. (Prerequisite: PSY 205 or Sophomore standing)
Credits: 3
Prerequisites: PSY 205

PSYC 300R - PROF SEMINAR
This course prepares students for effective practice by providing a framework for integration of critical thinking skills into the professional practice standards. An emphasis will be placed on the development of writing and communication skills that will contribute to the successful preparation of career options for psychology majors, preparation for various post-Bachelor's career options and preparation techniques for graduate-level (Master's and higher) education. It will provide students with a broad and comprehensive understanding of important issues in contemporary psychology careers.
Credits: 3
Prerequisites: PSY 120

PSYC 310 - FUNDAMENTALS OF BEHAVIORAL NEUROSCIENCE
Fundamentals of neural communication, organization, and basic neuroanatomy will be covered. Sensory systems will be introduced as models of neural organization.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Three psychology courses required; credit only for, Behavioral Neuroscience or Biopsychology I.

PSYC 310R - CULTURE COMMUN
CULTURE COMMUN
Credits: 3
Prerequisites: PSY 120

PSYC 315 - TOWARD A MULTICULTURAL ENVIRONMENT
This course will be taught as a discussion-based seminar with focus on multicultural psychology. Multiculturalism and diversity are increasingly becoming multifaceted with aspects of political, educational, historical, and social policies that influence individual perceptions and relationships. Moreover, multiculturalism has global importance regardless of where one resides. It is with this in mind that this course will strive to integrate global perspectives, learning models, and social influence theories to determine their possible implications on human behavior and relations.
Credits: 3

PSYC 316 - LEARNING
Research and theory on the acquisition, retention, and loss of acquired responses; memory and information processing.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 319 - CHILD & ADOLESCENT PSYCHOPATHOLOGY
Major forms of abnormal behavior in childhood and adolescence. These include disorders of behavior (e.g., attention-deficit hyperactivity disorder, oppositional defiant disorder), disorders of emotion (e.g., anxiety and depression), developmental and learning problems (e.g., autism, learning disabilities), and problems related to physical and environmental challenges (e.g., anorexia, child abuse and neglect). You will learn about the defining characteristics, associated features, possible causes, research evidence, and current approaches to intervention and prevention.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.
PSYC 319R - INDEPEND STUDY
Independent Study allows a student to explore a topic or area of interest. The student will propose a topic for tutorial study under the guidance of a supervising faculty member.
Credits: 3

PSYC 321 - HEALTH WELLNESS
Health psychology is the scientific study of psychological, social, and behavioral aspects of health and illness. The course will cover topics related to understanding: the etiology, promotion and maintenance of health; the prevention and treatment of illness; and patient-provider interactions within the healthcare system. This course is designed to introduce students to the range and scope of healthy psychology research and to foster critical reading, writing, and thinking about topics in the field. (Prerequisite: SCI 146)
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 326 - SENSATION AND PERCEPTION
This course covers visual, auditory, tactile, gustatory and olfactory sensation and perception. Students will learn about research and theory in the areas of object perception, motion perception, color perception, depth perception, pitch perception, sound localization. Prerequisite: three psychology courses required.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 325 - COGNITIVE PROCESSES
Theory and research on cognitive processes and their interrelationships with other psychological functions, especially learning.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 335 - HUMAN DEVELOPMENT AS A CULTURAL PROCESS
This course examines human development as a cultural process situated in the communities, environments and historical eras in which it occurs. In locating human development in the contexts in which it occurs this class draws on the work of developmental psychologists, cultural anthropologists, sociologists and historians. Students will explore the sociocultural contexts of their own development and will contrast these against norms of other communities. We will consider cultural influences on patterns of biological, cognitive, social, and emotional development.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 336 - BRAIN AND BEHAVIOR
Complex behaviors are possible because of the brain. Our goal is to understand this complex organ and how it functions to allow for human behavior. Fundamental neural systems (such as sleep and motivation), higher cortical functioning (such as language and attention), and brain plasticity will be covered.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology required; credit only for Brain and Behavior or Biopsychology II.

PSYC 339 - ADULT DEVELOPMENT
Development from post-adolescence through middle age. Biological, psychological, and cultural aspects; new life styles of young adults; changing work world; options for women and men at middle age.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 341 - OLDER ADULTHOOD AND AGING
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 Psychology courses required.

PSYC 343 - MOTIVATION
This course addresses why people are motivated to do the things they do, why individuals respond differently to various stimuli, crises or opportunities and how they can change through self regulation. Motivation will be reviewed from biological, learned and cognitive perspectives. The impact of emotions, beliefs, environment, and physiology on motivation and individual behavioral responses will be explored from an applied perspective assisting students to be better equipped to direct and assist others in making choices and developing strategies that can aid in achieving success and a sense of accomplishment in their work and personal lives.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 psychology courses required.

PSYC 344 - INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY
Psychological principles and theories of organizations. Influence of organizational structure and management practices on individual and group work behavior; social interaction and conflict; spillover of these effects into nonwork environments.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 345 - PSYCHOLOGY OF GENDER
This course will focus on the biological and sociocultural factors underlying the use of gender categories and development of gender roles. We will analyze how gender stereotypes are used by individuals, discuss how gender influences our expectations and behaviors, and consider how social institutions reinforce our ideas of gender.
Credits: 3
Attributes: Social Science, Women Gender Studies
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Three Psychology courses required., Credit only for 'Psychology of Women, or 'Psychology of Gender.
PSYC 346 - PSEUDOSCIENCE AND THE PARANORMAL
Rigorous training in critical thinking skills. Application to extraordinary pseudoscientific, paranormal, and supernatural claims. Topics include complementary and alternative medicine, traditional/nontraditional psychology, as well as, astrology, biorhythms, channeling, chi, deja vu, demon possession, ESP, faith healing, Feng Shui, ghosts, magnet therapy, moon madness, mystical and religious experience, near-death experiences, out of body experiences, parapsychology, prayer, precognition, prophesy, psychic reading, psychokinesis, reincarnation, spiritualism, therapeutic touch, and UFOs.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 347 - HEALTH PSYCHOLOGY
Relationship between psychology, health, stress, and illness. Influence of affective, cognitive, and social factors on risk, severity, and recovery from illness; impact of illness on psychological status; influence of psychological factors on health maintenance behaviors; psychological interventions; and the role of the psychologist in the health care team.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 350 - HUMAN NEUROPSYCHOLOGY
Intriguing and puzzling phenomena that follow disorders of the brain challenge us to understand how the brain is organized to allow for complex cognitive abilities specific to humans. This course will introduce several neurological disorders and use them to understand cognitive systems such as attention, language, and memory. Students will tie course content to practice by engaging in a 20-hour service learning experience.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Three psychology courses.

PSYC 350R - PSYCH SOC JUSTICE
This course will explore the influence of social issues and the risk as it relates to human behavior. Topics include: (a) diversity issues-race, ethnicity, socioeconomic status, gender, sexual orientation; (b) human rights issues-bullying, global politics and social media; and (c) justice issues-decision-making, regulation and public policy, and criminal justice with a focus on juvenile delinquents and the incarcerated mentally ill.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Three psychology courses.

PSYC 350RM - SYSTEMS OF PSYCH
This capstone course seeks to integrate and broadly conceptualize material presented previously in other psychology courses. It is designed to provide students an opportunity to reflect upon the field as a whole, specifically to understand the history of the profession and evolution of ideas over time. The course will review areas that currently define the study of psychology, explore older ideas that are no longer current, those ideas that are still relevant, and areas that are likely to be important in the future. Specific topics include the early influence of philosophy and physiology in the development of psychology, major early systems, major historical figures, and the evolution of the scientific method.
(Prerequisites: HUM 130 and PSY 340)
Credits: 3
Prerequisites: PSY 340 and HUM 130

PSYC 351 - LAW AND PSYCHOLOGY
The role of psychology in the U.S. criminal justice system and process. Focuses on the human elements of the justice system: including in the evolution of legal standards; how law writers, enforcers, and interpreters make decisions given personal differences and societal pressures; and how such things affect how citizens perceive the criminal justice system and, in turn, behave. Addresses empirically based criminal justice reform proposals in light of legal and societal challenges.
Credits: 3
Attributes: Social Science
Prerequisites: Social Science
Course Notes: three psychology courses required.

PSYC 352 - PSYCHOLOGY OF ADVERTISING
We are immersed in a culture characterized in part by consumerism and materialism. Messages encouraging consumption are all around us. They affect how we feel, think, and even how we act. This course examines the process of consumption (i.e. consumer behavior) from a cognitive, affective, and behavioral perspective characteristic of the behavioral sciences. The course will alternately focus on the academic foundations of consumer behavior and applying these foundations to contemporary issues.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 PSYC courses required.

PSYC 355 - INCLUSIVE ENV
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Credits: 3

PSYC 360 - EYEWITNESS MEMORY & TESTIMONY
Eyewitnesses play a crucial role in our legal system. The purpose of the course is to introduce you to a broad range of topics that are investigated by eyewitness memory experts and to help you gain a basic familiarity with some of the fundamental concepts, principles, theories, and legal applications of eyewitness testimony. Students will learn about the major theoretical perspectives of human memory; research methods used to evaluate the reliability of eyewitnesses; how certain factors affect the reliability of an eyewitness’ identification; and to think critically about preventing mistaken identifications. (Prerequisite: three psychology courses required.)
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Three psychology courses required., Credit given for either the new class, Eyewitness Memory Testimony OR, course under previous name, 'Eyewitness Testimony.'

PSYC 360R - DEATH AND DYING
This course will provide students with an understanding of the death and dying process. Topics include: cultural and historical differences in concepts of death, dying, grief and bereavement; individual differences related to preparation, adjustment, and coping; hospice and palliative care; euthanasia, legal and ethical issues; healthcare and mental health interventions; funeral rituals; suicide; and war. (Prerequisite: PSY 225)
Credits: 3
Prerequisites: PSY 120
PSYC 366 - POVERTY & THE INDIVIDUAL
This class will examine issues facing those living in poverty. We will look at poverty from both a micro and macro perspective, both locally and globally. We will investigate how institutions such as education, health, and the law operate with respect to those living in poverty. Furthermore, we will scrutinize the impact of poverty on mental health, physical health, and housing. (Prerequisite: three courses in psychology required).
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Requires 20 hours of community service with children.

PSYC 368 - CHILD ABUSE/FAMILY VIOLENCE
An introduction to the causes and effects of abuse on children, adolescents, and families. Students will learn: the scope of child abuse, its causes, and strategies that prevent and reduce its occurrence using a variety of approaches; how to apply critical thinking skills to evaluate information about child abuse; personal emotional responses to abuse; and to develop civic participation skills around course topics.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Three psychology courses required.

PSYC 369 - EATING DISORDERS
Introduction to the history, theory, assessment, and treatment of eating and feeding disorders. Historical and socio-cultural perspectives will be emphasized.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Three psychology courses required.

PSYC 375 - COUNSELING AND CLINICAL INTERVENTIONS
This class addresses basic clinical skills used by professionals in the helping professions. We will review relevant theory, research, and best practices that will help you learn how to (a) empathically listen to clients' concerns, (b) assess client's challenges, and (c) describe and implement a range of basic interventions to ameliorate clients' presenting problems. Specific clinical skills will be discussed, applied, and practiced throughout the semester at an appropriate level for undergraduates.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology required.

PSYC 380R - COUNSELING
This course will provide an overview of the major theories of counseling, the psychotherapy process and the skills required of a helping professional. Several major theories of counseling are examined with an emphasis on the key concepts of each theory; the central beliefs about therapeutic processes, and specific theoretical applications for change. Special attention will be devoted to reviewing the knowledge, attitudes, skills and cultural competence essential to fully understanding clients' problems, and effectively intervening with an emphasis on experiential learning and interviewing strategies. (Prerequisite: PSY 340)
Credits: 3
Prerequisites: PSY 340

PSYC 381 - CHILDREN AND FAMILIES
Review of theory and research regarding normal and abnormal child development, parenting, and couples/family functioning. This course features a skill building approach to learn effective family relationship techniques as well as the opportunity to apply these through community service.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Requires 20 hours of community service with children.

PSYC 382 - PSYCHOLOGY SEMINAR
Introduction to modern personality theory emphasizing adaptive, growthful, and self-enhancing topics as well as the full range of pleasurable feeling states and relationships.
Credits: 1-3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Three courses in psychology required.

PSYC 383 - SEMINAR: CONTROVERSIAL ISSUES
Advanced topical seminar in psychology. Past course topics have addressed the relationship between psychology and creative fields or have addressed psychological perspectives on social problems. Psychological principles and theories will be applied to such areas for greater understanding and awareness. Please click the red CRN for a more detailed description of this course.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology

PSYC 384 - SPECIAL TOPICS
Advanced topical seminar in psychology. Past course topics have addressed the relationship between psychology and creative fields such as opera, movies, and literature. Psychological principles and theories will be applied to such areas of popular culture for greater understanding and awareness. Please click the red CRN for a more detailed description of this course.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology

PSYC 386 - TOPIC: SEMINAR
This class will address issues facing those in poverty. We will look at poverty from both a micro and macro perspective, both locally and globally. We will investigate how institutions such as education, health, and the law operate with respect to those living in poverty. Furthermore, we will scrutinize the impact of poverty on mental health, physical health, and housing. (Prerequisite: three courses in psychology required).
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Requires 20 hours of community service with children.

PSYC 388 - PSYCHOLOGY SEMINAR
Introduction to modern personality theory emphasizing adaptive, growthful, and self-enhancing topics as well as the full range of pleasurable feeling states and relationships.
Credits: 1-3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Three courses in psychology required.
PSYC 387 - SEMINAR
Advanced topical seminar in psychology. Past course topics have addressed the relationship between psychology and creative fields or have addressed psychological perspectives on social problems. Psychological principles and theories will be applied to such areas for greater understanding and awareness. Please click the red CRN for a more detailed description of this course.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 courses in psychology.

PSYC 391 - ADVANCED FORENSIC PSYCHOLOGY
Advanced topical seminar in forensic psychology. This class may address issues such as the role of clinical psychologists in assessing and treating criminal and corrections populations and working with police and investigative agencies. Use of behavioral science information in both civil and criminal court proceedings. The psychological and psychiatric aspects of criminal behavior and violence; emphasis on antisocial syndromes and more recent neuropsychological research concerning violence.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: 3 Psychology courses required.

PSYC 392 - CHILDREN, PSYCHOLOGY, & LAW
Role of clinical and developmental psychologists and of behavioral science research at all levels of the juvenile court system. Abuse and neglect proceedings; family law courts; delinquency courts. Topics may include juvenile violence, substance abuse, therapeutic jurisprudence and restorative justice, effects of divorce, posttraumatic stress syndromes, child witness and child testimony research.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology

PSYC 393 - INTERNSHIP IN PSYCHOLOGY
Students participate in a community internship for a total of 150 hours during the semester. Volunteer service must occur in an organized setting (e.g., social service agency, after school program). Students complete written assignments to connect site experiences with topics in psychology. Sites must be approved by the course instructor and course enrollment must be completed in advance of semester.
Credits: 3
Prerequisites: 12 Credit Hours of Psychology

PSYC 395 - INDEPENDENT STUDY
Advanced topics in psychology; applied or career-based topics; research under faculty supervision; or paraprofessional practicum. Recent topics have included applied psychology in nursing homes, behavior modification techniques of animal training, and psychology of Arab-Americans.
Credits: 1-4
Prerequisites: 9 Credit Hours of Psychology

PSYC 398 - FIELD PLACEMENT WITH CHILDREN
An independent study class. Students participate in a community service placement for a total of 72 hours during the semester. Volunteer service must occur in an organized setting, such as a day care center, after school or YWCA/YMCA program, elementary school classroom, or pediatric health care setting. Sites must be approved by the course instructor.
Credits: 3
Attributes: Social Science
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Enrollment in the Child Family Studies concentration, required., Instructor consent required, email smyers@roosevelt.edu., Course requires 72 hours of community service.

PSYC 399 - DIRECTED RESEARCH
Active involvement in the research program of a psychology department member. Variable credit (1-3 semester hours) per semester. Repeated registrations allowed up to a total of 6 semester hours, but a maximum of 3 semester hours can be applied to the psychology major. Graded A to F.
Credits: 1-3
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Prerequisites: three psychology courses:, application and instructor approval required., Course can be repeated for 6 semester hours maximum with 3, semester hours maximum applied to psychology major.

PSYC 399A - DIRECTED RESEARCH
Active involvement in the research program of a psychology department member. Variable credit (1-3 semester hours) per semester. Repeated registrations allowed up to a total of 3 semester hours of elective credit only. Graded A to F.
Credits: 1-3
Prerequisites: 9 Credit Hours of Psychology
Course Notes: Prerequisites: three psychology courses:, application and instructor approval required., Course can be repeated for 3 semester hours maximum, of elective credit.

PSYC 399R - RESEARCH THESIS
By working on their theses, students will be able to hone their own ways of organizing and presenting research. The thesis will involve original, empirical research, although theoretical papers will also be permitted with faculty approval. Students are responsible for a review of the literature in their topic area, the obtainment of data, conclusions as a result of gathered information, and any future implications that may arise as a result of their research. A formal research paper and presentation to a faculty panel is required. Students must obtain the consent of a faculty member to serve as their thesis advisor prior to the start of the semester and provide the faculty advisor with a detailed contract of the proposed parameters of their research. (Prerequisites: PSY 295 and PSY 480)
Credits: 3
Prerequisites: PSY 295 and PSY 480
PUBLIC ADMINISTRATION (PADM)

PADM 308 - TOPICS IN POLICY MAKING
Content varies. Click on RED highlighted CRN on course finder to read the description for the specific term.
Credits: 3

PADM 319 - STRATEGIC PLANNING FOR THE PUBLIC SECTOR
This course provides an opportunity for students to integrate lessons from the disciplines of the program in an experience of organizational strategy and planning. The curriculum will draw on an understanding of business, marketing, communication, persuasion, and project management as students examine the planning process through readings and a series of experiential projects. The class will consider strategic planning processes of visioning, market analysis, capacity assessment, data gathering, dialogue, synthesis and assessment.
Credits: 3
Prerequisites: POS 301
Course Notes: Completion of 60 credit hours and consent of instructor.

PADM 321 - NONPROFIT SECTOR IN U.S.
History and purpose of nonprofit organizations in the U.S. Scope and legal structure of nonprofit sector. Historical, political, economic, and sociological perspective on nonprofit organizations.
Credits: 3
Prerequisites: POS 301
Course Notes: Completion of 60 credit hours and consent of instructor.

PADM 322 - PROGRAM EVALUATION FOR NONPROFIT ORGANIZATIONS
Examines key concepts, methods, and approaches in the field of evaluation research. Students will be exposed to the theoretical and methodological diversity inherent in current evaluation practices across a number of substantive areas (e.g., social services, education, advocacy, and business practices).
Credits: 3
Prerequisites: POS 301
Course Notes: Completion of 60 credit hours and consent of instructor.

PADM 323 - RESOURCE DEVELOPMENT IN NONPROFIT ORGANIZATIONS
Fundraising, marketing, and strategic planning in the nonprofit context; identifying, serving, and communicating with key constituencies including funders, media, constituents, and the community.
Credits: 3
Attributes: Social Science
Prerequisites: POS 301
Course Notes: Completion of 60 credit hours or consent of instructor.

PADM 324 - DIVERSITY AND CONFLICT RESOLUTION
Interpersonal relations, the nature of conflict, and methods of conflict transformation with a focus on community building. Mediation, arbitration, role playing, and language exploration.
Credits: 3
Prerequisites: POS 101
Course Notes: And 9 credit hours of Social Science.

PADM 325 - LEADERSHIP IN PUBLIC ADMINISTRATION
Leadership in the public policy process, including models of leadership and public/private partnerships in local governance.
Credits: 3
Prerequisites: POS 101

PADM 351 - INTRODUCTION TO HEALTH SERVICES
This course provides an overview of health care organizations, health care providers and on-going health care issues within the United States and other health care delivery systems. It uses a system framework that ties together the numerous components of these health care systems. An emphasis will be given to the ways in which the differing systems histories affect their responses to change. The class will also focus on ways in which positive changes can be made in order to improve these systems and move them towards quality patient-centered care.
Credits: 3

PADM 353 - MEDICAL ETHICS AND THE LAW
Administrative concerns regarding ethical and legal aspects of the delivery of health services. Extensive use of case studies.
Credits: 3

PADM 355 - MANAGING AND MARKETING INTEGRATED SERVICE NETWORKS
This course will provide an overview to integrated delivery systems as they affect health care delivery and policy. It will also provide an understanding of how to manage and market these systems.
Credits: 3

PADM 356 - ECONOMIC ISSUES IN HEALTH SERVICE
Economic analysis of major health care problems. Topics include ing costs, inequality, and difficulties of access, and cross cultural differentials in health care indices. Economic concepts and tools used to evaluate the hospital, pharmaceutical, and private insurance industries; the impact of technology on health; and the role of values in health care reform. Fulfills the economics requirement for students in the health services, nonprofit management, and administrative studies concentrations.
Credits: 3
Attributes: Social Science

PADM 358 - MARKETING HEALTH MANAGEMENT
Marketing process and strategy as they pertain to the current environment in health care. Application of concepts related to buyer behavior, marketing research, market segmentation, marketing mix, and sales.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 102

PADM 363 - URBAN POLICY
Policies and policy-making processes of government that shape quality of life in metropolitan areas; relationship between political and market processes; class, gender, racial, and regional consequences of difference policies.
Credits: 3
Prerequisites: PADM 301

PADM 370 - ECONOMICS OF PUBLIC POLICY
Seeking solutions to the problems of the world using basic economic principles and analysis. Exploring market interventions and shaping government actions to make society better off. Discussions, lectures, films, the Internet, and debates are utilized. Ideas of political candidates and policy pundits are examined. Topics can include Universal Health Care, Affordable Housing, Global Poverty, Pollution Control, Crime, Minimum Wage, the Maxwell Street Market, China, Alternatives Indicators, and Slavery.
Credits: 3
PADM 375 - PROBLEMS IN PUBLIC ADMINISTRATION
Major problem areas in public administration including ethical considerations and political aspects of policy implementation.
Credits: 3
Prerequisites: POS 101
Course Notes: or consent of instructor.
REAL ESTATE (REES)

REES 301 - REAL ESTATE PROCESS
This course reviews real estate finance, law, property management and real estate development. It is an introduction to the real estate industry. REES 301, REES 302, and REES 311 are required courses for the Real Estate Major or Minor.
Credits: 3
Prerequisites: ACCT 211 and ECON 102
Course Notes: Course includes group project work and require, a student to have access to a computer with Microsoft Office, software. Students must have completed HCB general, education and business pre-reqs, not including BLAW 201, with a minimum GPA of 3.0.

REES 302 - REAL ESTATE QUANTITATIVE METHODS
This course focuses on (a) how to use accounting and financial data to model projected operating performance and investment returns for properties using Excel and (b) how to make sound investment decision at the property and investor level. REES 301, REES 302 and REES 311 are required courses for the real estate major and minor. All course must be passed with a minimum grade of “C”.
Credits: 3
Prerequisites: ACCT 211 and ECON 102
Course Notes: Must have completed HCB general education and business, pre-reqs (except for BLAW 201) with a minimum GPA of 3.0.; Student must have access to computer and Microsoft, Office software.

REES 311 - REAL ESTATE FINANCE
This class reviews real estate finance and investment analysis tools for property investment evaluation. Financing strategies, portfolio analysis and capital markets will be discussed. REES 301, REES 302 and REES 311 are required courses for the Real Estate Major and Minor.
Credits: 3
Prerequisites: REES 301 (may be taken concurrently) and REES 302 (may be taken concurrently)
Course Notes: This course includes group project work and requires, students to have access to a computer with Excel software. Must have completed HCB general education and business, pre-reqs (except for BLAW 201) with a minimum GPA of 3.0.

REES 315 - REAL ESTATE VALUATION
This course covers the valuation of real estate using the three approaches to value: Cost, Market Comparable, and Income. Professional ethics and standards of professional appraisal practice will also be explored.
Credits: 3
Prerequisites: REES 311
Course Notes: This course is a combination of lecture and, individual/group problem-solving;

REES 321 - REAL ESTATE LAW
This course examines the major legal concepts pertaining to the acquisition, disposition, use, management, leasing and transfer of real property.
Credits: 3

REES 331 - REAL ESTATE MARKETING AND MANAGEMENT
Techniques of property management to meet the needs of tenants as well as the income goals of owners are covered. Marketing efforts are explored in discussions with real estate professionals.
Credits: 3
Prerequisites: REES 301 and REES 302 and REES 311 (may be taken concurrently)
Course Notes: Students must have access to a computer with Microsoft, Office software

REES 381 - REAL ESTATE DEVELOPMENT PROCESS
This course provides a review of the steps and stages of developing real estate projects, using market research, financing strategies, demand analysis and site planning tools.
Credits: 3
Prerequisites: REES 311
Course Notes: This should be one of the last REES courses taken in the Major.

REES 398 - INTRODUCTION TO REAL ESTATE MARKET ANALYSIS
This introductory class exposes students to basic concepts of assessing real estate market conditions for residential and commercial real estate properties. The student will conduct market analysis through a mixture of theory and practice. Current data and GIS research tools will be introduced and utilized.
Credits: 3
Prerequisites: REES 311
Course Notes: Students must have access to a computer with Microsoft, Office software.

REES 399 - SPECIAL TOPIC REAL ESTATE
Special Classes will periodically be offered on important issues and topics in real estate. Check class schedule for specific topics and prerequisites by clicking on the red five-digit CRN.
Credits: 3
Prerequisites: REES 311
SOCIAL ENTREPRENEURSHIP (SENT)

SENT 305 - SOCIAL ENTREPRENEURSHIP I: CREATING THE VISION
This course is for students who will found or lead businesses that also have a social mission, or will advise or work with social entrepreneurs, as they seek to jointly create social and business value. It is the goal of this course to prepare students to lead companies that have embedded social missions and to engage various stakeholders that are at the nexus of business and social value.
Credits: 3

SENT 306 - SOCIAL ENTREPRENEURSHIP II: IMPLEMENTATION
In Social Entrepreneurship II, we actually become social entrepreneurs by studying the everyday structural, legal and financial challenges associated with launching a business enterprise in its efforts to create social impact. Students will take their business model from Social Entrepreneurship I, and further develop it by performing additional market research, prototyping and practicing continuous investor initiatives. Students will work through issues of market analysis, technology viability assessment, competitive positioning, team building, product life cycle planning, marketing strategy and financing, with a major emphasis on learning how to attract investment capital.
Credits: 3
Prerequisites: SENT 305

SENT 307 - BUSINESS PLANNING AND STRATEGIC NEW VENTURES
Applied course in entrepreneurship. Selection and evaluation of a specific business concept; research into industry trends, competition, and the target market; marketing strategies. The completed business plan is presented in written and oral forms.
Credits: 3
Prerequisites: MKTG 302
Course Notes: SENT 307 is only open to undergraduate Social, Entrepreneurship majors.

SENT 398 - PROFESSIONAL SOCIAL ENTREPRENEURSHIP INTERNSHIP
A supervised professional learning experience at a business or nonprofit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to undergraduate business program.
Credits: 1-3
Course Notes: Internship requirements vary by assignment; consent is, required by the instructor.
SOCIAL JUSTICE STUDIES (SOCJ)

SOCJ 200 - INTRO SOCIAL JUSTICE STUDIES
Various ways of conceptualizing social justice; how the social sciences can be used to understand questions of social justice; case studies in collective action for social justice.
Credits: 3
Attributes: Social Justice Studies
Prerequisites: ENG 102

SOCJ 201 - INTRODUCTION TO SOCIAL JUSTICE STUDIES
Various ways of conceptualizing social justice; how the social sciences can be used to understand questions of social justice; case studies in collective action for social justice.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: ENG 102 (may be taken concurrently)

SOCJ 208 - INTRODUCTION TO WORKING CLASS STUDIES
Americans generally don’t like to talk or think about social class, and until quite recently we've been especially allergic to 'working class' as a term or label. In the 2008 presidential election, the term 'working class' was used quite a lot, but usually only to refer only to white men in blue-collar jobs (who were assumed to be good at bowling!), rather than to the multiracial, mixed gendered, diverse occupations of the 21st Century American working class. Working-Class Studies is an emerging academic field that attempts to address this situation, in academic research and teaching and in our public discourse. This course will introduce Roosevelt students to this emerging field by focusing on a handful of issues in the social sciences of economics, political science and sociology (with only fleeting reference to work in the arts, humanities, and history), and then asking students to decide for themselves on the relevance of studying the working class in the ways presented.
Credits: 3
Attributes: Social Science

SOCJ 211 - THE GIG ECONOMY
DocuSign Envelope ID: A6BC73DD-7E86-4901-B085-914C34709180 You may have heard one or more of the following terms: shared economy, independent contractor, temporary worker, 1099, entrepreneur, or contingent worker. Or perhaps you have used Uber, Lyft or Airbnb. Or maybe you work at a job in which your hours vary and you only receive your schedule a week or two in advance. All of these situations have impacted people from both rich and poor countries throughout the world. This course will examine both the benefits and costs that have resulted from the opening and closing of international boundaries and borders and examine how these changes have impacted people from both rich and poor countries throughout the world.
Credits: 3
Attributes: International Studies, Non-western Culture, Social Justice Studies, Social Science
Prerequisites: ECON 101

SOCJ 214 - ECONOMICS OF GLOBALIZATION
Globalization and global economic crises have become household words, yet what do they really mean, who benefits, and who loses? This interdisciplinary course examines the phenomenon of globalization using economic, sociological, and feminist analyses to explore controversial themes of the globalization debate, some of which include: offshoring, economic development, international migration, sweatshops, transnational corporations, the Global South, and gender equity. We will examine both the benefits and costs that have resulted from the opening and crossing of international boundaries and borders and examine how these changes have impacted people from both rich and poor countries throughout the world.
Credits: 3
Attributes: International Studies, Non-western Culture, Social Justice Studies
Prerequisites: ECON 101

SOCJ 217 - ECONOMICS OF GLOBALIZATION
Prerequisites: ECON 101 or SOCJ 201 or ECON 201 or POS 200

SOCJ 219 - WHAT IS SOCIAL JUSTICE?
What is 'social justice'? This course is an historically-based and interdisciplinary introduction to alternative conceptions of social justice. Students will read selections from foundational texts, both ancient and modern. Regular writing assignments and intensive classroom discussions will help to build analytical skill sets in a variety of disciplines, from economics to political philosophy.
Credits: 3
Attributes: Honors Program, Social Justice Studies
Course Notes: Enrollment in RU Honors Program required.

SOCJ 226 - THEORIES OF SOCIAL JUSTICE
The course will explore some fundamental questions about economic justice in a dialogical and interdisciplinary context. Student will read selections from classic texts (Aristotle to Walzer) as well as journal articles by contemporary theorists. The idea and self reliance will be central to our inquiry.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: ECON 102 or SOCJ 201 or ECON 201 or POS 200

SOCJ 290 - INTRO TO SOCIAL JUSTICE STUDIES
Internship in Social Justice.
Course Notes: Content of course varies by semester.
SOC 101 - INTRODUCTION TO SOCIOLOGY
Basic theories and concepts of sociology; culture; roles and norms; personality and group; forms of social organization; class, caste, and race; community; social institutions; collective behavior; social change.
Credits: 3
Attributes: Social Science

SOC 210 - CONTEMPORARY SOCIAL ISSUES
Contemporary social issues from a sociological perspective. Topics may include institutional problems of modern societies and issues related to class, race, gender, sexuality, environmental destruction, and global inequality.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: SOC 101

SOC 211 - CONTEMPORARY GLOBAL ISSUES
Contemporary global issues from a sociological perspective. Topics may include institutional problems of non-western societies and issues related to class, race, gender, sexuality, disability, environmental destruction, and inequality.
Credits: 3
Attributes: International Studies, Non-western Culture, Social Science
Prerequisites: SOC 101
Course Notes: Fulfills SOC 210 requirement.

SOC 212 - CONTEMPORARY URBAN ISSUES
Contemporary urban issues from a sociological perspective. Analysis of urban problems; global impact on cities; spatial structuring of race, class, gender, and inequality.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: SOC 101

SOC 214 - SOCIOLOGY OF CHICAGO NEIGHBORHOODS
Students in this class will explore Chicago's neighborhoods. We will examine a wide array of social forces that shape neighborhoods, such as: downtown development, urban sustainability and green development, segregation, ethnic enclaves, gayborhoods, gentrification, public housing, public transportation, public schools, policing, and community organizations. Each topic will be paired with a field trip to a specific neighborhood that best exemplifies the topic under examination. Students should take away an in-depth understanding of the social forces that shape neighborhoods in Chicago and a deeper understanding of neighborhoods as a lived experience.
Credits: 3
Attributes: Social Science

SOC 215 - THE FAMILY
Development of families; variations in family patterns in various cultures; role relationships within families; family influences in personality development; mate selection; parent-child relations; family disorganization and reorganization.
Credits: 3
Attributes: Social Science, Women Gender Studies
Prerequisites: SOC 101

SOC 223 - SPORTS AND SOCIETY
Sociological perspective on the socio-cultural characteristics of sport. Examination of the cultural, historical, economic, political, and structural factors (e.g., race, class, gender) that form salient aspects of today's sport activities at various levels. Focus on the characteristics of sports and how they reflect and impact the social climate of society. (3)
Attributes: Social Science, Women Gender Studies

SOC 225 - MCDONALDIZATION OF SOCIETY
George Ritzer's McDonaldization thesis holds that the world is increasingly organized around principles of efficiency, calculability, predictability, and control through nonhuman technology. Although in many ways a restatement of Max Weber's classic analysis of bureaucracy, Ritzer's thesis has been extended in very original ways by others into the analysis of chain stores, restaurants, theme parks, sex work, the operation of police, courts and prisons, and universities. This course will be focused on the McDonaldization thesis, its extensions and its critics.
Credits: 3
Attributes: Social Science

SOC 260 - SOCIETY AND THE INDIVIDUAL
This course explores the relationship between society and the individual self, particularly how in the ebb and flow of everyday life, we both consciously and unconsciously, make and remake both social structures and ourselves through social interaction. Our goal is to gain a better understanding of when we are acting as social agents, conscious of our motives and ability to create social change, and when social structures are acting upon us via socialization, social expectation, norms, sanctions, stereotypes, etc. to reinforce the existing social order. Topics include social perception; social influence and persuasion; institutionalized classism, racism, sexism, ageism, and ableism; intimacy and close relationships, emotions and emotion management; and pro-social behavior.
Credits: 3
Attributes: Social Science
Course Notes: Sophomore standing.

SOC 290 - THE RESEARCH PROCESS
Data-gathering techniques in the social sciences; questionnaires, interviews, participant observation, and the use of official statistics. Basic statistical procedures used to analyze and interpret data; the use of computers in research; emphasis on the preparation and writing of research reports.
Credits: 3
Attributes: Social Science
Prerequisites: SOC 101

SOC 291 - SOCIAL STATISTICS: INTRODUCTION TO PROBABILITY & STATISTICS
Elementary probability and probability distributions, random variables, expectation, and variance; binomial and normal probability distributions. Applications to estimation, confidence intervals, statistical testing of hypotheses, two-sample techniques. Correlation and least squares.
Credits: 3
Attributes: Social Science
Prerequisites: MATH 116 or MATH 121 or MATH 110 or Compass-Algebra with min score of 45
Course Notes: Math courses higher than 121 satisfy the prerequisite.
SOC 292 - ELEMENTARY STATISTICS LAB
The course incorporates collaborative learning, oral and written reports and technology. Emphasizes techniques, exploration and applications rather than derivation. All projects will use real data and conclusions are not predetermined. Topics include methods of summarizing data, statistical inference and regression.
Credits: 1
Course Notes: Must be taken concurrently with MATH 217, ECON 234, or, SOC 291

SOC 300 - SOCIOLOGY IN ACTION
Sociologists study the social world and are often well-versed in the ‘problems’ of everyday life. In this course we will ‘learn about’ and ‘engage in’ creating social change. Through the planned readings and workshops students will learn theory, advocacy and activist skills, and engage in dialogue about their experiences through a sociological lens. In the end, students interested in pursuing careers informed by a sociological perspective will have tools to connect to or carve a path.
Credits: 3
Attributes: Social Science
Prerequisites: SOC 101
Course Notes: Additional credit will not be given for both SOC 289, and SOC 300.

SOC 303 - THE DEVELOPMENT OF SOCIOLOGY
Development of classical perspectives within sociology. Karl Marx, Max Weber, Emile Durkheim and others.
Credits: 3
Attributes: Social Science
Prerequisites: SOC 101 and 9 Credit Hours of Sociology
Course Notes: 9 semester hours in SOC or instr. consent

SOC 318 - SOCIAL MOVEMENTS AND SOCIAL CHANGE
Since the 1970s a new form of ‘neoliberal’ capitalism has emerged. Neoliberalism rode in on attacks against ‘big government’ and ‘special interests’, accompanied by promises of economic growth and greater efficiency. In practice, neoliberalism has failed to deliver on these promises. Everywhere it has been implemented, neoliberalism has produced mounting inequality and increasing insecurity for the vast majority. Rather than reducing the size of government, neoliberalism has shifted the weight of government from social programs benefitting poor and working people to massive subsidies for the wealthy, the military-industrial complex, and the prison-industrial complex. This course examines the rise of neoliberalism, its contradictions, and its current crisis. In response to the constant refrain that ‘there is no alternative’, the course also explores alternatives to neoliberalism in the form of economic democracy and worker self-managed enterprises.
Credits: 3
Attributes: Social Science
Prerequisites: SOC 101 and 3 Credit Hours of Sociology
Course Notes: Sophomore standing or above.

SOC 319 - LATINO URBAN EXPERIENCE
This course focuses on the contemporary urban experience of Latinos, particularly the contributions they make to U.S. society and the challenges they face. Topics include the impact of globalization on immigration and labor markets, gentrification of Latino neighborhoods, the rise of the Latino middle-class, and immigration policy, etc.
Credits: 3
Attributes: Hispanic Studies, International Studies, Non-western Culture, Social Justice Studies, Social Science
Prerequisites: SOC 101

SOC 325 - EDUCATION AND SOCIETY
Social factors involved in educational processes within US society. The interaction of educational institutions with various cultural, economic, and social factors.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: SOC 101

SOC 326 - RACE, GENDER & THE MASS MEDIA
Relationship between U.S. media and social construction of race and gender; media's role in perpetuating/challenging gender and racial stereotypes; perceptions and reaction to representations; critical consumption of media images/messages pertaining to disenfranchised groups.
Credits: 3
Attributes: Non-western Culture, Social Science, Women Gender Studies
Prerequisites: SOC 101

SOC 327 - RACE & ETHNIC RELATIONS
Race and ethnicity in the US; history and present status of various racial and ethnic groups; political economy of race; changing public discourse of race and racial identities.
Credits: 3
Attributes: Non-western Culture, Social Justice Studies, Social Science
Prerequisites: SOC 101 and 3 Credit Hours of Sociology

SOC 329 - WHITENESS IN A GLOBAL SOCIETY
Course addresses the history, economics, politics and social construction of whiteness. Specific focus on three white deep-settler countries (countries that whites colonized, controlled, and stayed for generations): U.S., Australia and South Africa. These three countries share many similarities and by examining the differences we can develop a sophisticated understanding of the (re)production of white privilege, white power and the continuation of white supremacy world-wide.
Credits: 6
Attributes: International Studies, Social Science, Travel Based Study
Prerequisites: SOC 101
Course Notes: Sophomore standing or above.

SOC 330 - SOCIOLoGY OF MENTAL HEALTH AND ILLNESS
Mental disorders as major social problems; concept of mental illness in popular understanding, psychiatry, and social sciences; cultural, social-psychological, and sociological theories of development of mental disorders; empirical studies of cultural variation and social variables in mental disorders; social aspects of patient career; social prevention of mental disorders.
Credits: 3
Attributes: Social Science
Prerequisites: SOC 101 and 3 Credit Hours of Sociology
Course Notes: or instructor consent

SOC 331 - CRIMINOLOGY
Social processes and criminal behavior; theories of crime; social factors and causes of crime; law enforcement and the judicial process; corrections; prevention of crime.
Credits: 3
Attributes: Social Science
Prerequisites: SOC 101 and 3 Credit Hours of Sociology
Course Notes: Sophomore standing or above.
SOC 339 - SOCIOLOGY OF DEATH, DYING & LOSS
This interdisciplinary course interrogates the social, cultural, psychological, medical, ethical, philosophical, and spiritual issues that surround and possibly give meaning to the experiences of dying, death, loss, mourning, and living after the death of significant people in our lives. Visual materials and methods (film, websites, videography, and photography) are combined with traditional materials methods of analysis (reading, class discussion, and class reports) to explore various themes including: the death system; societal responses to death, including those that are untimely, violent or preventable; end-of-life illnesses including Alzheimer's, dementia, heart disease, and cancer; caring for the dying and the filial crisis; burial and memorializing rituals; assisted death, right-to-die, euthanasia, and the social causes and impact of ending one's own life by suicide; and the ideas of immortality and transcendence.
Credits: 3
Attributes: Social Science

SOC 340 - GENDER AND SOCIETY
The social construction of gender definitions; focus on how gender roles in the family, media, and work place are constructed.
Credits: 3
Attributes: Social Science, Women Gender Studies
Prerequisites: SOC 101 and 3 Credit Hours of Sociology
Course Notes: Plus 3 hours of SOC or instructor consent.

SOC 342 - GLOBAL RACE
Course centers on the origins, discourse and outcomes of racialization processes on a global level. Students learn the specific processes of racialization by researching at least one non-North American country. Racialization will be understood at the intersection of gender, sexuality, citizenship, class and religion. Course has five sections: theorizing race; origins of racializing humanity (from egyptian slavery to the Enlightenment); modern theories of race (from Eugenics to racial formation theory); colonization and slavery (development of racialized capitalism); and Europeans and the development of whiteness.
Credits: 3
Attributes: International Studies, Social Science
Prerequisites: SOC 101

SOC 346 - COMMUNITY ORGANIZING
Examination of community organizing theories and approaches. Focuses on cases studies and hands on experience.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: SOC 101
Course Notes: or instructor consent.

SOC 350 - CULTURAL THEORY AND POPULAR CULTURE
Theory and method in the sociology of culture; topics may include high culture and popular culture, modernism and postmodernism, the politics of mass media, and the role of religion in contemporary societies.
Credits: 3
Attributes: Social Science
Prerequisites: SOC 101 and 3 Credit Hours of Sociology
Course Notes: or instructor consent, Previously offered as "Sociology of Culture.

SOC 354 - GENDER, POWER, & THE BODY
Interrogates the social and cultural significance of the body and the relationship of embodiment to self-identity, empowerment, and oppression. Materialist, social constructionist, and post-modernist critiques of social and political efforts to discipline the body, as well as resistance to these efforts are explored. Core themes will vary by semester but may include: intimate partner violence, reproductive liberty, biopolitics, sexuality, postcolonial feminism, otherness, and feminist epistemology.
Credits: 3
Attributes: Social Science
Prerequisites: SOC 101

SOC 355 - URBAN INEQUALITY AND SOCIAL JUSTICE
The ways in which cities are produced not only structure the built environment, but they also shape opportunity and access to resources. With this conceptualization of urbanization as our starting point, this class will focus on housing as a key urban form expressing social power relations. Topics include, but are not limited to: gentrification, homelessness and social disorder politics, senior citizen housing, the housing needs of single mothers, urban education and the rise of charter schools, and policing and surveillance of neighborhoods.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: SOC 101 and 3 Credit Hours of Sociology

SOC 356 - SOCIAL JUSTICE INSTITUTE
This course offers students the unprecedented opportunity to explore ideas about justice with a variety of scholars and activists. Students will investigate contemporary issues of social justice in both theory and practice. The course is a participatory, discussion-based class that will entail active involvement.
Credits: 3
Attributes: Social Justice Studies, Social Science

SOC 360 - THE BODY
This seminar interrogates the social and cultural significance of the body and the relationship of embodiment to self-identity, empowerment, and oppression. Materialist, social constructionist, and post-modernist critiques of social, political, medical, and religious efforts to discipline the body, as well as resistance to these efforts are explored. Core themes will vary by semester but may include: patriarchy, power, difference, heteronormativity, gendered and racialized identities, contraception, abortion, infertility, kinship and relatedness, assisted, and third party reproduction, reproductive justice, medical evangelism, intimate partner violence, sexualities, postcolonial feminism, and feminist epistemology.
Credits: 3
Attributes: Social Science, Women Gender Studies
Prerequisites: SOC 101 and 3 Credit Hours of Sociology

SOC 367 - SOCIAL MOVEMENTS
Central analytical problems in the study of social movements; dynamics and significance of social movements in contemporary US politics and society.
Credits: 3
Attributes: Social Justice Studies, Social Science
Prerequisites: SOC 101 and 9 Credit Hours of Sociology
Course Notes: with a minimum grad of a C.

SOC 381 - SPECIAL TOPIC
Topics vary by semester and faculty's expertise.
Credits: 3
Attributes: Social Science
Prerequisites: SOC 101 and 3 Credit Hours of Sociology
Course Notes: 3 sh in Sociology or consent of instructor.
SOC 390 - THESIS
By arrangement with faculty.
Credits: 3
Attributes: Social Science
Course Notes: By arrangement with faculty.

SOC 394 - INTERNSHIP
Internship with a local organization involving sociological study. An internship requires working the equivalent of 8 hours/week (10 hours summer) for a total of at least 120 hours at the site of the selected organization. Students will meet the internship requirements of the department (e.g., journal, final paper). Offered in conjunction with faculty advisor, by faculty consent, and requires an advanced signed contract.
Credits: 3
Attributes: Social Science
Course Notes: Consent from Sociology Faculty.

SOC 395 - INDEPENDENT STUDY
Topics should not be part of regular curriculum. Student should demonstrate significant interest in and preparation for topic selected.
Credits: 1-4
Attributes: Social Science
Course Notes: or instructor consent
SPANISH (SPAN)

SPAN 101 - BEGINNING SPANISH I
Mastery of basic language skills of listening, speaking, reading, and writing. For beginners.
Credits: 3
Attributes: Hispanic Studies, Humanities

SPAN 102 - BEGINNING SPANISH II
Continues the work of SPAN 101 in basic listening, speaking, reading, and writing skills in Spanish.
Credits: 3
Attributes: Hispanic Studies, Humanities
Prerequisites: SPAN 101
Course Notes: or equivalent, in consultation with the instructor.

SPAN 201 - INTERMEDIATE SPANISH I
Review of essentials of grammar and continuing practice of basic skills of listening, speaking, reading, and writing. Taught in Spanish.
Credits: 3
Attributes: Hispanic Studies, Humanities
Prerequisites: SPAN 102
Course Notes: or equivalent, in consultation with the instructor.

SPAN 202 - INTERMEDIATE SPANISH II
Continues the work of SPANN 201 in essentials of grammar basic listening, speaking, reading, and writing skills. Taught in Spanish.
Credits: 3
Attributes: Hispanic Studies, Humanities
Prerequisites: SPAN 201
Course Notes: or equivalent, in consultation with the instructor.

SPAN 252 - IMMIGRATION PAST AND PRESENT
How can we make effective interventions, individually and collectively, in the national debate over immigration? Through cultural and critical readings, including texts by Latina writer, Gloria Anzaldua, Polish-American writer, Eva Hoffman, and Chinese-American novelist, Fae Myenne Ng, in this class students will become familiar with the complex and multifaceted nature of immigration. Culture, identity, language, political representation, and economic necessity are just some of the themes that will be touched on over the course of the semester. In addition to a critical understanding, through an ethnographic study (observation, interviews, questionnaires) of one immigrant community in Chicago (to which one may or may not belong), students will become familiar with the immigrant experience in an immediate and specific way. This combination of critical and personal knowledge will enable students to approach this most pressing of social developments in a manner that is both productive and profoundly humane.
Credits: 3
Attributes: Grounds for Change, Hispanic Studies, Humanities
Prerequisites: SPAN 202
Course Notes: or equiv. Taught in Spanish

SPAN 254 - CONTACT ZONES
In this course, the concept of the contact zone will serve as a frame with which to approach the Conquest and colonization of America and the aftermaths of these events in the Spanish-speaking world. In addition to translations of texts, films, illustrations and maps produced by Spanish-American writers, course material will include works from ancient Greece, Elizabethan England, France, Brazil, Martinique and the US.
Credits: 3
Attributes: Grounds for Change, Humanities
Prerequisites: ENG 101

SPAN 301 - WRITING IN SPANISH
The principal objectives of this course are to sharpen your critical thinking and reading skills, and to develop both academic and non-academic writing skills. Course methodology is based on the premise that to learn to write well, one must first learn to read well. You will familiarize yourself with and learn to produce different types of writing, including description, chronological storytelling, reporting, and exposition. We will read a wide variety of texts, ranging from ads, such as those that you see in the personal sections of the web, to avant-garde works. Readings will be taught in cultural context.
Credits: 3
Attributes: Hispanic Studies, Humanities
Prerequisites: SPAN 202
Course Notes: or equiv. Taught in Spanish

SPAN 312 - STUDIES IN HISPANIC CIVILIZATION & CULTURE
In this course we will read a variety of short texts in Spanish that deal with modern Latin America. Readings will include classic historical essays, political and cultural reflections and manifestos, short fiction and the occasional poem. In addition to learning about Latin America from a variety of different disciplinary perspectives, in this course students become comfortable reading Spanish prose, continue to improve their writing ability in Spanish, as well as their spoken proficiency. Class consists of discussion, group work and the occasional lecture.
Credits: 3
Attributes: Hispanic Studies, Humanities, International Studies
Prerequisites: SPAN 301
Course Notes: Consent of instructor., Counts for HispStud minor.

SPAN 316 - STUDIES IN LITERATURE & CULTURE THEORY
Study of critical theories and their implications for language, literature, and representation.
Credits: 3
Attributes: Hispanic Studies, Humanities
Prerequisites: SPAN 301
Course Notes: Consent of instructor.

SPAN 395 - INDEPENDENT STUDY
Directed study arranged one-on-one by the student in consultation with a faculty member.
Credits: 1-6
Attributes: Hispanic Studies, Humanities
SPEECH (SPCH)

SPCH 101 - PUBLIC SPEAKING
Principles and practices of composition and delivery of speeches for effective communication to diverse audiences.
Credits: 3
Attributes: Humanities

SPCH 250 - MASS MEDIA AND ACCULTURATION
Problem-based learning course addressing various modes of acculturation observable between immigrant and/or marginalized populations and host cultures and the influence of mass media in the acculturation context. Students identify problems emergent from acculturation, consider problems relative to social justice concepts and develop problem solution options with emphasis on socially-just outcomes and the role mass media might assume in implementing such solutions.
Credits: 3
Attributes: Grounds for Change
Prerequisites: ENG 102
Course Notes: or higher.

SPCH 345 - CROSS-CULTURAL COMMUNICATION
Communication styles and characteristics of various cultural groups. Understanding and recognizing barriers (semantics, nonverbal behavior, stereotypes, and assumed similarities) that affect communication among cultures. Fulfills the non-Western requirement.
Credits: 3
Attributes: Humanities, International Studies, Non-western Culture
Prerequisites: ENG 102
Course Notes: Sophomore standing
STUDY ABROAD (ABRD)

Students participating in study abroad will be registered for one or more of the following placeholder sections to ensure the student remains actively enrolled at Roosevelt University while attending classes at a foreign institution. Once completed, the official transcript from the foreign institution must be submitted to Roosevelt University to officially grant credit for courses taken abroad.

ABRD 00A - STUDY ABROAD EXCHANGE
Credits: 99

ABRD 00B - STUDY ABROAD AFFILIATED
Credits: 1-99
SUSTAINABILITY STUDIES (SUST)

SUST 101 - HUMANS AND NATURE
This seminar explores the complex and ever-changing relationship humans have forged with the natural world, as viewed from the perspective of sustainability: the capacity of the human community to persist and thrive over time without degrading or exhausting its natural resources, and to do so justly and equitably. Class activities will consist of discussion, student presentations, critical/interpretive writing, and a museum visit and/or urban nature field expedition.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: ENG 101

SUST 210 - SUSTAINABLE FUTURE
Overview of sustainability as a concept and practice. Exploration of issues, controversies, trends, and case-studies in various systems and locales (urban/rural, local/national/global). Students develop a critical understanding of sustainability's various definitions; assess factors that contribute to and detract from environmental quality, community stability, economic and social equity, and sustainable development; and analyze the connections among topics such as food, water, waste, energy, biodiversity, climate change, and environmental justice.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 101

SUST 220 - WATER
Evaluation of water quality and sustainability issues through the analysis of local, regional, and global case studies. Key concepts include the water cycle; drinking water quality; water conservation strategies; wastewater treatment and watershed management; and wetlands ecology, restoration, and management. Students assess water as an environmental and cultural resource; and evaluate contemporary water management and policy issues, particularly those affecting Chicago's urban waterways as well as the Great Lakes ecosystem.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 101

SUST 230 - FOOD
If we are what we eat, understanding the complexities of how our food gets on our tables is vital to our health and environment. This course is an overview of worldwide sustainability issues surrounding food production and consumption. A key issue addressed is the importance of local food production, particularly in urban areas, and the assessment of how locally produced food impacts the long-term sustainability of global food production. Students leave the course with the ability to compare chemical-intensive versus organic agriculture in terms of the ecological and economic impacts of both systems; understand the advantages and challenges of local food production, the 'permaculture' movement, and their relation to environmental and economic sustainability; and evaluate the capabilities of urban agriculture for improving and sustaining of economically-distressed communities. Service learning component may include special projects at a local urban farm.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 101

SUST 240 - WASTE
Cleanliness is next to godliness; it also is vital to the daily management of urban systems, lest we be plagued with epidemic disease and unpleasant aesthetics. How society manages sewage, garbage and recycling involves far more than dropping bins off on our curbs and watching the waste magically disappear. This course examines sustainability dilemmas involving waste management (including consideration of the public and private systems developed to address specific waste concerns), and considers consumption trends past and present, as well as future solutions. Students analyze issues of waste policy and management and learn to assess the economic, political, and chemical/environmental impacts of waste stream practices. Incorporates field-based scientific techniques to test levels of wastewater contamination in area waterways and/or the presence of contaminants in soil.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 101

SUST 250 - THE SUSTAINABLE UNIVERSITY
RU’s 2015 Strategic Sustainability Plan maps out how the university as a whole can become more sustainable, from academics to operations to community engagement. Student creativity and action are vital to this effort. While learning about campus-based sustainability innovations in the US and abroad, student teams design and complete projects that implement various aspects of RU’s plan in a hands-on application of sustainability principles, service learning, and environmental activism.
Credits: 3
Attributes: Grounds for Change, Social Science
Prerequisites: ENG 102

SUST 310 - ENERGY AND CLIMATE CHANGE
In a world experiencing climate change, societies must understand the consequences of energy consumption and production, and develop new sources of clean, sustainable energy. This course investigates the environmental implications of energy production and consumption, and assesses current and future problems in the energy field. Students gain an understanding of the natural phenomena and scientific principles that provide the basis of our understanding climate change, such as the carbon cycle and the greenhouse effect, and assess the social and environmental consequences of energy production and consumption, whether sustainable or otherwise. Key topics include the relation of energy production and consumption to climate change; the development of energy distribution systems that shape our present opportunities and challenges; and possible alternatives for future energy development.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 102
SUST 320 - SPRawl, TRANSPORT, PLANNING
Exploration of the sustainability challenges in the built environment, particularly the debate over sprawl, suburban and exurban development, smart growth, commuting patterns, city planning, and the 'new urbanism.' Key topics include the exploration of transportation systems, ranging from bicycle commuting to highway construction to public transportation networks to intercontinental air travel, and their relationship to sustainable planning, whether at the level of community, city, or region. Students gain an understanding of the political-economic, spatial, and public policy issues relating to sprawl; learn the history, present use, and future prospects of urban planning and its potential to reshape the urban and suburban landscape in positive ways; develop qualitative and quantitative means to evaluate current transportation systems in terms of efficiency, cost, and environmental impact; and develop critical tools and presentation skills in order to proffer alternative transportation initiatives, particularly at the community or regional levels.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 102

SUST 330 - BIODIVERSITY
Development, pollution, agriculture, invasive species, and habitat destruction have resulted in an alarming loss of species worldwide. This course explores biodiversity in the context of ecology, conservation, ecosystem restoration, and regional planning. Students learn about a variety of natural science concepts and theories relevant to understanding the biological and ecological significance of biodiversity, such as ecosystems, species, genes, ecological interactions, and evolution. Students will gain a detailed understanding of the importance of conserving biodiversity to natural systems and human communities; and will learn the value of open space, parklands, and wildlife refuges for preserving biodiversity, particularly in urban areas. Field experiences in selected ecosystems in the region (such as prairie or wetlands restorations, forest preserves, waterways, and/or dunes) provide students with opportunities to learn and apply biodiversity assessment techniques, such as field-based plant or animal surveys. Strong potential exists for service learning partnerships with local conservation and restoration organizations in the Chicago region.
Credits: 3
Attributes: Natural Science
Prerequisites: ENG 102

SUST 340 - POLICY, LAW, ETHICS
An investigation into the political, legal, and ethical dimensions of sustainability in the U.S. and around the world, using case studies in public policy, environmental law, and community activism. Topics addressed include the impact of policies and laws upon communities, especially in urban areas, and the relevance of environmental policy and ethics to the development of sustainable agriculture, transportation, energy, and housing systems. Students will gain an understanding of the political terrain, the significant ethical debates, and the legal boundaries surrounding sustainability by critically evaluating policy questions in a sequence of critical writing projects.
Credits: 3
Attributes: Humanities, Social Science
Prerequisites: ENG 102

SUST 350 - SERVICE AND SUSTAINABILITY
Focuses on one of sustainability’s ‘Three Es’ – Equity – within the broad context of environmental stewardship and economic development. A small seminar experience in which the professor and students partner with an outside organization, institution, or community to perform transformational service learning work and address real-world sustainability problems and solutions. Students will engage and debate matters of social equity and environmental justice in relation to sustainable development, urban planning, ecological conservation, and other issues. Course topics and community partners vary section by section; past seminars have focused on, for example, the relations among urban farming, community development, and social justice. Activities include seminar discussions and short oral presentations, field-based work with the community/organizational partner, and other field trips or campus-based activities as arranged by the instructor. Both individual and collaborative work are emphasized in assignments such as short critical essays, oral reports, and co-authored applied research projects.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 102

SUST 360 - WRITING URBAN NATURE
Environmental literature & writing course featuring in-the-field explorations of various natural and urban environments in the Chicago region. Provides a unique immersive experience in “nature close at hand” at sites of local ecological and cultural significance. Emphasizes close observation of place and people; walking and exploring diverse landscapes and neighborhoods; and discussing as well as producing compelling ideas, stories, and images of urban nature, broadly defined.
Credits: 3
Attributes: Humanities
Prerequisites: ENG 102

SUST 361 - URBAN ECOLOGY
This field-based course provides training in the research tools of the social and ecological sciences using the city of Chicago as its laboratory. Students will learn how to monitor air, water, and/or soil quality; survey biodiversity; and assess green infrastructure within the built environment while exploring ecologically and culturally significant sites around Chicago. Combines in-class discussions with field work and prepares students in the rapidly growing field of Urban Ecology.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 102

SUST 370 - MAPPING FOR SUSTAINABILITY
Maps can help us understand and prepare for many of the world’s most pressing social and environmental problems, from climate change to deforestation. This course trains students in Geographic Information Science (GIS) mapping software so that we can better understand relationships and patterns in our world. Students in the course will be exposed to the rapidly growing world of spatial analysis and cartography using the industry’s leading software tool, ArcGIS.
Credits: 3
Prerequisites: ENG 102
Course Notes: Required lab fee of $25
SUST 390 - SPECIAL TOPICS IN SUSTAINABILITY
In-depth seminars on specific topics in sustainability, including environmental literature and communication; the urban environment; sustainability and environmental history; parkland conservation; campus/institutional sustainability planning; and representations of sustainability in art, literature, film, and media.
Credits: 3
Prerequisites: ENG 102

SUST 394 - INDEPENDENT STUDY
Independent study course on a topic of interest related to sustainability, determined with faculty input and approval.
Credits: 3
Attributes: Social Science
Prerequisites: ENG 102

SUST 395 - SUSTAINABILITY STUDIES INTERNSHIP
Individually designed Sustainability Studies internships and/or service-learning experiences. With the approval of a faculty sponsor and the program director, students may participate in an appropriate internship in the field of Sustainability and earn credit. Internships must involve a minimum of 40 hours of work per credit hour. From 1-6 credits may be earned. Students are required to complete written work, as determined by the faculty sponsor, reflecting on their experience.
Credits: 1-6
Course Notes: Faculty sponsor and, program director approval required.
THEATER: VOICE (TVOI)

TVOI 101 - THEATER VOICE
Credits: 1,2
Attributes: Humanities

TVOI 102 - THEATER VOICE
Credits: 1,2
Attributes: Humanities

TVOI 103 - THEATER VOICE
Credits: 1,2
Attributes: Humanities

TVOI 104 - THEATER VOICE
Credits: 1,2
Attributes: Humanities

TVOI 201 - THEATER VOICE
Credits: 1,2
Attributes: Humanities

TVOI 202 - THEATER VOICE
Credits: 1,2
Attributes: Humanities

TVOI 203 - THEATER VOICE
Credits: 1,2
Attributes: Humanities

TVOI 204 - THEATER VOICE
Credits: 1,2
Attributes: Humanities

TVOI 301 - THEATER VOICE (MINOR)
Credits: 1,2
Attributes: Humanities

TVOI 302 - THEATER VOICE (MINOR)
Credits: 1,2
Attributes: Humanities

TVOI 303 - THEATER VOICE (MINOR)
Credits: 1,2
Attributes: Humanities

TVOI 304 - THEATER VOICE (MINOR)
Credits: 1,2
Attributes: Humanities
THEATRE CONSERVATORY (THAR)

THAR 099 - PERFORMANCE ATTENDANCE
Attendance at music and theatre performances in the Chicago College of Performing Arts. Required of all undergraduate majors for six semesters. Grade P/F. (0)
Credits: 0
Course Notes: Acting or MUST majors only

THAR 100 - FUNDAMENTALS OF MUSIC THEORY
Melody, rhythm, metric notation. Writing, playing, and singing of intervals, scales, triads, and melodies. Development of basic musical terminology.
Credits: 3
Attributes: Humanities

THAR 101 - BEGINNING VOICE
Introduction to healthy use of the human voice in the musical theatre repertory, with emphasis on physiology, proper breathing, articulation, phonation, and enunciation.
Credits: 1
Attributes: Humanities

THAR 102 - MOVEMENT FOR SINGERS
Introduction to dance and movement for the singer, with strong emphasis on body awareness, stretching, and musicality.
Credits: 3
Attributes: Humanities

THAR 114 - INTRO TO VPPCHAR DEVV
An exploration of the physical life of character influenced by the methods of Uta Hagen.
Credits: 3
Course Notes: Acting majors only.

THAR 116 - ENSEMBLE SINGING
Introduction to vocal technique and group performance in the musical theatre repertory. Open to musical theatre majors only.
Credits: 1
Attributes: Humanities

THAR 125 - MUSICIANSHP-MUSICAL THEATRE
Development of aural and analytical skills related to the study and performance of standard musical theatre repertoire.
Credits: 3
Attributes: Humanities
Prerequisites: THAR 100
Course Notes: or placement

THAR 126 - KEYBOARD SKILL-MUSICAL THEATRE
Development of keyboard skills related to the study and performance of standard musical theatre repertoire.
Credits: 3
Attributes: Humanities

THAR 167 - INTRODUCTION TO IMPROVISATIONAL PERFORMANCE
An introduction to the art of improvisational performance through foundation building and ensemble exploration.
Credits: 3
Course Notes: THAR/MUST majors only.

THAR 191 - INTRODUCTION TO PROFESSIONAL THEATRE: SOCIAL JUSTICE THROUGH PERFORMING ARTS
Introduction to Chicago's professional theatre; collaboration of the script, actor, director, designer, stage, and audience.
Credits: 1-3
Attributes: Humanities
Course Notes: Acting/MUST Only.

THAR 193 - INTRODUCTION TO THEATRE FOR NON-MAJORS
Through this fully online course, students will explore the process by which theatre is made and gain an understanding of and ability to evaluate the contributions of all the various collaborators in any performance event. With access to Roosevelt's Digital Theatre subscription, students will also view and discuss a number of performances of leading theatre practitioners from around the world. This course fulfills the Humanities General Education Requirement.
Credits: 3
Attributes: Humanities

THAR 203 - SCRIPT ANALYSIS
Study of the elements of play writing, including script analysis, character development and dramatic structure. Writing will focus on the development of a short script.
Credits: 2
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 205 - SHAKESPEARE
See English 205.
Credits: 3
Attributes: Humanities
Course Notes: Open to Non-THAR majors

THAR 206 - FUNDAMENTALS OF ACTING I
An introduction to the dynamics of the actor's art, focusing on individual self-awareness, spontaneity and expressiveness. NON-majors only.
Credits: 3
Attributes: Humanities

THAR 207 - FUNDAMENTALS OF ACTING II
An introduction to the dynamics of the actor's art, focusing on individual self-awareness, spontaneity and expressiveness. Open to freshmen theatre majors.
Credits: 3
Attributes: Humanities

THAR 210 - STAGE MAKE UP I
Fundamental principles of stage makeup and application.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only.

THAR 220 - VOCAL & PHYSICAL PREPARATION I
The performer's resources of the voice and body. Exercises in relaxation, physical awareness, and coordination; focus on breath and the basics of vocal production.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 221 - VOCAL & PHYSICAL PREPARATION II
Vocal and physical work continued; enhancement of basic skills; more complex aspects of breath, sound, and specialized physical skills.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only
THAR 225 - INTERMEDIATE ACTING I
Continued development of the actor's skills; increasingly more complex textual demands.
Credits: 2-3
Attributes: Humanities
Prerequisites: THAR 206 and THAR 207

THAR 226 - INTERMEDIATE ACTING II
Continued development of the actor's skills; increasingly more complex textual demands.
Credits: 2-3
Attributes: Humanities
Prerequisites: THAR 225

THAR 221 - ACTING ON CAMERA I
Adapting stage acting technique for camera; performance of dramatic roles on video and film; improvisations, monologues, and scenes from plays. Additional study of television commercial work.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 222 - VOCAL & PHYSICAL PREPARATION IV: CLASSICAL
Application of the skills previously learned; development of new vocal and physical skills necessary to fulfill the demands of classical texts, particularly the works of William Shakespeare.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 223 - INTRODUCTION TO TECHNICAL THEATRE
Theory and practice of stagecraft, design, and theatre safety. Open to freshmen.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 224 - VOCAL AND PHYSICAL PREPARATION V: DIALECTS
Basic stage dialects commonly used by actors, such as Standard British and Cockney.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 227 - IMPROVISATION FOR THE THEATRE: SPOLIN TO SILLS TO STORY THEATRE
An exploration of Viola Spolin's and Paul Sill's games and techniques to develop the actor's instrument and imagination.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only.

THAR 270 - THE CREATIVE PROCESS I
Improvisational exploration of the physical, vocal, imaginative, and expressive resources of the creative performing artist. Focus on the process of the individual artist.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 271 - THE CREATIVE PROCESS II
Continuing improvisational exploration of the physical, vocal, imaginative, and expressive resources of the creative performing artist. Focus on the process of the individual artist.
Credits: 1-3
Course Notes: THAR or MUST majors only

THAR 291 - SOCIAL JUSTICE THROUGHOUT THEATRE HISTORY I
Through the lens of Social Justice, survey of theatre history and the study of representative plays.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 292 - SOCIAL JUSTICE THROUGHOUT THEATRE HISTORY II
Through the lens of Social Justice, a continued survey of theatre history and the study of representative plays.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 294 - HISTORY AND ANALYSIS: THEATRE LITERATURE
Beginning with the fundamental concepts of script analysis, this course will identify and define the key elements of a script that are used by actors to structure performances. The course will then utilize those tools as the basis for an analysis of theatre literature from selected periods of theatre history. Theatre history will be studied as the context for the theatre literature generated during the major periods of history that are associated with important theatre movements and styles.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 303 - SCRIPT ANALYSIS
Credits: 2
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 304 - SHAKESPEARE TO SHAW: CLASSICAL AND REALISM IN PERFORMANCE
This course will be an exploration of the disciplines of Modern Dance, Hip-Hop and Shakespeare and its influence on the Musical Theatre Dancer.
Credits: 1-3
Attributes: Humanities
Prerequisites: THAR 225
Course Notes: THAR or MUST majors only

THAR 320 - ACTING MUSICAL STAGE I
Introduction for the singer/actor to basic music theatre performance techniques and theories.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only.
THAR 321 - ACTING FOR MUSICAL STAGE II
Scene study class. Duets and small ensembles from music theatre literature.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only.

THAR 322 - ACTING FOR MUSICAL STAGE III
Advanced performance course; emphasis on period musical styles, choreography, and large ensemble-choral singing.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only.

THAR 323 - ACTING FOR MUSICAL STAGE IV
Performance course stressing contemporary developments in musical styles.
Credits: 1-3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 324 - HISTORY OF MUSICAL THEATRE
Historical evolution of musical theatre. Ideas, styles, and contributions of the mature musical's most influential creative artists.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 325 - DIRECT FOR THE MUSICAL STAGE
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 326 - ENSEMBLE FOR THE MUSICAL STAGE
Advanced performance course in dance skills for the musical stage. Jazz, tap, hip-hop, and ballroom dancing.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only. Formerly offered as DANCE FOR THE MUSICAL STAGE

THAR 327 - SPECIAL TOPICS IN MUSICAL THEATRE
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only. Consent of Instr.

THAR 328 - SPECIAL TOPICS IN MUSICAL THEATRE
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only. Consent of Instr.

THAR 329 - ACTING FOR MUSICAL STAGE V: CABARET
Advanced study of cabaret theatre; important historical contexts and contemporary forms. Individual coaching in cabaret material; final performance in a cabaret setting.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 330 - ACTING ON CAMERA II
Adapting stage acting technique for camera; performance of dramatic roles on video and film; improvisations, monologues, and scenes from plays. Additional study of television commercial work.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only.

THAR 331 - ACTING ON CAMERA III
Additional study of television and commercial work.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only. Consent of instructor.

THAR 332 - VOCAL/PHYSICAL PREPARATION III
Continued application of vocal and physical training to performance; the actor's creative process as the integrating link of voice, body, emotions, and intellect with more demanding text.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 340 - AUDITION AND THEATRE BUSINESS
Preparation for a professional career in theatre.
Credits: 3
Attributes: Humanities
Course Notes: Acting majors only

THAR 341 - STAGE MANAGEMENT
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only.

THAR 345 - MUSICAL THEATRE STYLES II
Credits: 3

THAR 348 - STAGE DIRECTING I
The art and craft of stage direction; fundamental theories and practice.
Credits: 1-3
Attributes: Humanities
Course Notes: Acting or MUST majors only.

THAR 350 - REHEARSAL & PERFORMANCE
Available to students who perform major roles or who have major responsibility in a University theatre production. May be repeated for maximum of 12 sem hrs.
Credits: 3
Attributes: Humanities
Course Notes: Sat-Sun TBA

THAR 370 - ADVANCED CREATIVE PROCESS: YOGA
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 371 - STAGE COMBAT I
Basic techniques of stage combat including hand-to-hand, falls, rolls, flips, and dives.
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only

THAR 372 - STAGE COMBAT II
Stage combat employing weaponry: basic fencing, rapier, dagger, and broad sword.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 375 - ADVANCED VOCAL/PHYSICAL PREPARATION: COMEDY-CHAR
Credits: 3
Attributes: Humanities
Course Notes: Acting or MUST majors only
THAR 380 - INTRODUCTION TO ASIAN THEATRE
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only.

THAR 381 - STUDIES IN THEATRE
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 382 - TECHNIQUES IN ACTING
Through discussion, exercises and scene work, acting techniques of the 20th and 21st centuries are explored and defined.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 383 - AMERICAN THEATER: DRAMATIC VISIONS OF SOCIAL JUSTICE
This capstone course will identify and define the theme of social justice in the works of selected dramatists, historical periods, and ensemble companies of the American Theatre. Available only to senior-level theatre arts and musical theatre students. (1)
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 385 - PERFORMANCE ART I
Specialized study of both theory and praxis in the field of performance art.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 386 - PERFORMANCE ART II
Continuation of the previous course. Collaboration and site-specific development of performance art projects.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 387 - SHAKESPEARE IN PERFORMANCE
Detailed study of two or three selected plays. Plays vary from semester to semester; script analysis for verse performance and style.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 388 - ADVANCED ACTING PERIOD STYLES
Acting styles required for period plays.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 393 - ADVANCED VOCAL & PHYSICAL PREPARATION: SPECIAL PROJECTS
Individual vocal project concentrating on a particular strength or an area of perceived weakness.
Credits: 3
Attributes: Humanities
Course Notes: THAR or MUST majors only. Consent of instr.

THAR 395 - INDEPENDENT STUDY
Special projects in acting, directing, design, history and criticism, or play writing.
Credits: 1-3
Attributes: Humanities
Course Notes: THAR or MUST majors only. Consent of Instr.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Attributes</th>
<th>Prerequisites</th>
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<td>SPECIAL TOPICS IN MUSICAL THEATRE: DANCE</td>
<td>3</td>
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TRANSFER SUCCESS 101

TRS 101 - TRANSFER SUCCESS 101
Transfer Success is a 1 credit on-line course designed to facilitate transfer students’ integration into the Roosevelt University community. This course helps transfer students connect with Roosevelt’s mission, build supportive relationships, reflect on their learning, engage with campus resources, and explore their academic and professional goals.
Credits: 1
Course Notes: This course is for students transferring into RU, with 12 to 89 credits.
GRADUATE COURSES
ACCOUNTING (ACCT)

ACCT 403 - INTRODUCTION TO ACCOUNTING
Accounting process and use of accounting information in business decisions. Topics include accounting equation, data accumulation, accounting cycle, financial reports, and basic accounting principles.
Credits: 3
Course Notes: Internet required. Acct 210 and 211, or equivalents, with a min grade of B., may be required for entry to MSA/MSAF programs., see your advisor. Not applicable for credit to the, College of Business graduate degree programs.

ACCT 405 - ACCOUNTING FOR EXECUTIVES
Functions of the modern executive including the duties, expectations, and responsibilities. Topics from both financial and managerial accounting.
Course materials are case oriented.
Credits: 3
Course Notes: ACCT module of BADM 401./Internet required., Not applicable for credit to the MSA.

ACCT 406 - ISSUES IN ASSET VALUATION
Accounting theory associated with asset valuation; focus on the balance sheet. Topics include accounts receivable, depreciation, bonds, investments, and owners’ equity.
Credits: 3
Prerequisites: BADM 401 (may be taken concurrently)
Course Notes: Internet required. Acct 210 with grade of B, or higher required.

ACCT 407 - ISSUES IN INCOME DETERMINATION
Accounting theory associated with income determination; focus on income statement and cash flow statement. Topics include pensions, leases, revenue recognition, and earnings per share.
Credits: 3
Prerequisites: ACCT 406
Course Notes: Acct 210 and 211, or equivalents, with a min grade of B., Internet required.

ACCT 414 - ADVANCED ACCOUNTING
Accounting theory for partnerships and fiduciaries, advanced corporate concepts, investments, business combinations, branches, consolidated financial statements, corporate reorganizations, installment sales, and consignments.
Credits: 3
Prerequisites: ACCT 406

ACCT 433 - PROFESSIONAL PRACTICE OF AUDITING
Advanced and intensive study of auditing theory including statements on auditing standards and other pronouncements of professional organizations. Audit sampling, computer use in audit process, and contemporary professional issues. Emphasis on application of theory to specific problems using the case study method.
Credits: 3
Prerequisites: ACCT 406

ACCT 442 - ADVANCED COST & MANAGERIAL ACCOUNTING
Variety of higher-level quantitative and other topics in cost accounting. Transfer pricing, measurement of managerial performance, direct costing, decision models, quantitative approaches to cost accounting, and statistical analysis of costs and variances.
Credits: 3
Prerequisites: ACCT 406 and BADM 401 (may be taken concurrently)
Course Notes: ACCT 211, or equivalent, with a grade of B or higher, required.

ACCT 447 - INTERNATIONAL ACCOUNTING
International standards for accounting, financial statement presentation, and auditing; accounting for importers, exporters, and multinational corporations. Foreign exchange rates and markets, controlled economy accounting, social responsibility reporting, political bribery, political risk, inflation accounting, and international taxation.
Credits: 3
Prerequisites: ACCT 406

ACCT 450 - ACCOUNTING INFORMATION SYSTEMS
Theory and operation of accounting information systems. Internal control, information flow, computerized transaction processing, systems analysis and design, responsibility centers, and database implementation.
Credits: 3
Course Notes: Internet required with ability to use Microsoft Office.

ACCT 454 - GOVERNMENTAL & NONPROFIT ACCOUNTING
Accounting and financial reporting principles of governmental and nonprofit organizations, fund accounting principles, budgetary accounting, and financial reporting practices.
Credits: 3
Prerequisites: ACCT 406

ACCT 456 - FEDERAL TAXATION
Current taxation issues of practical and professional interest; topics of pending or proposed legislation. Selection depends on current development in taxation and areas of faculty interest and specialization. May be repeated for credit with prior approval and different topics.
Credits: 3
Prerequisites: ACCT 405 or ACCT 406

ACCT 457 - ADVANCED FEDERAL INCOME TAX & RESEARCH
Taxation of corporations, partnerships, and fiduciaries. Tax accounting, tax-free corporate reorganizations, exchanges and liquidations, capital gains and losses, consolidated returns, personal holding companies, accumulated earnings tax, and S corporations. Tax research methods through numerous library research assignments.
Credits: 3
Prerequisites: ACCT 456
Course Notes: or instructor consent

ACCT 471 - FRAUD EXAMINATION
Overview of fraud theory and the prevention and detection of various types of fraud. Topics include embezzlement, asset misappropriation, and corruption.
Credits: 3
Course Notes: 3 sh Accounting and 3sh Information Systems, or computer courses.

ACCT 473 - FINANCIAL STATEMENTS AND FRAUD
Frauds that appear in financial statements; emphasis on detection and prevention of frauds. Study of specific corporations where fraud has been found in the financial statements.
Credits: 3
Course Notes: 3 semester hours in Accounting and, 3 semester hours in Information Systems are required.

ACCT 474 - ANTI-MONEY LAUNDERING
The course includes the study of the methods to detect and prevent money laundering. Among the topics covered in the course are the history of money laundering, the laws, domestic and international, including the Third European Directive, the agencies established to assist in the fight against money laundering and the related information sharing efforts.
Credits: 3
ACCT 475 - COMPUTER FORENSICS & AUDITING
Computer fraud is pervasive in society and the business world today. Study of specific cases where computer fraud has occurred; focus on IT auditing and computer forensics.
Credits: 3
Course Notes: Ability to download, install, and use basic computer, applications software is assumed.

ACCT 477 - TOPICS IN BUSINESS FORENSICS
Course will include coverage of Benford's law and the study of corporate fraud. In the study of corporate fraud we will study the schemes along with control procedures, tests, checklists, questionnaires and audit programs that relate to the schemes.
Credits: 3
Prerequisites: ACCT 406
Course Notes: 3 sh Accounting and 3 sh of Information Systems, or computer courses.

ACCT 491 - ACCOUNTING RESEARCH & ANALYSIS
As the Capstone course for the MSA program, topics covered will be changing to ensure that students receive information on current changes as they occur in the accounting world. Possible topics covered may include XBRL, standards, and regulations. Two simulations will be performed: one will be a group simulation and the second will be an individual simulation. The purpose of the simulations is to provide students with the ability to make decisions, and to deal with the outcomes of those decisions when the results are not what was expected.
Credits: 3
Prerequisites: ACCT 406 and ACCT 407

ACCT 492 - PROFESSIONAL ACCOUNTING INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to graduate business program.
Credits: 1-3
Course Notes: Internship requirements vary by assignment, consent is, required by the instructor.

ACCT 493 - SEMINAR: THEORY & CASES FINANCIAL MANAGEMENT
Advanced course in corporate finance. Topics include capital budgeting, capital structure, management of working capital, and special topics chosen by the instructor.
Credits: 3
Prerequisites: ACCT 406

ACCT 494 - SEMINAR IN TAXATION
Credits: 4
Course Notes: Consent

ACCT 495 - INDEPENDENT STUDY
Credits: 1-6
Course Notes: Consent required.

ACCT 505 - FED TAXATION
This course gives students hands-on experience in preparing tax returns for individuals, corporations, 'S' corporations, and partnerships. Topics covered include: taxpayer filing status, dependency exemptions, taxable vs. non-taxable income, adjustments to taxable income, itemized and standard deductions, tax credits, tax research and planning, and the preparation of tax returns for individuals, corporations, and partnerships. Students are also introduced to tax research sources including IRS codes and regulations. (Prerequisite: ACC 280)
Credits: 3
ARTS MANAGEMENT (ARTM)

ARTM 450 - THE ARTISTIC COMPONENT
Balancing the art and the money; programming: adventure and risk vs. attracting and maintaining an audience; developing a healthy relationship between management and performing artists; integrating the artistic department with the rest of the organization; the care and feeding of artists; developing an artistic philosophy.
Credits: 3
Course Notes: ARTM majors only.

ARTM 455 - ORGANIZATIONAL DEVELOPMENT AND HUMAN RESOURCES
Working effectively and productively: with staff and management employees, with musicians and performers, with volunteers and boards of directors, and with community leaders. Strategies for building a healthy climate for all employees with fair policies that encourage new thinking and embraces new ideas.
Credits: 3
Course Notes: ARTM majors only. Meets concurrently with ARTM 450.

ARTM 460 - MARKETING AND PUBLIC RELATIONS FOR ARTS MANAGEMENT
Goals and techniques of marketing for a performing arts organization; Goals and techniques for public relations—how does it differ from marketing; lnTEGRATING marketing, public relations, and development; Short- vs. long-range marketing; the relationship between marketing and artistic departments; Projecting ticket sale income as part of the budgeting process.
Credits: 3
Course Notes: ARTM majors only.

ARTM 465 - FUNDAMENTALS OF FINANCE
Financial planning and budgeting, cash flow projection, balance sheets, operating statements, non-profit finance vs. for profit finance, earned vs. contributed income, fixed vs. variable expense.
Credits: 3
Course Notes: ARTM majors only.

ARTM 470 - FACILITIES MANAGEMENT AND OPERATIONS
Specifics of producing the performance at your home venue; Basics of facilities management, including the relationship between facilities personnel and the audience; the relationship between a performing organization and its home facility; logistics, budgeting, and operations for touring.
Credits: 3
Course Notes: ARTM majors only.

ARTM 475 - FUNDRAISING AND DEVELOPMENT FOR ARTS ORGANIZATIONS
Strategies and issues for fund raising and development in non-profit arts organizations, including public funding, grants, and philanthropic sources.
Credits: 3
Course Notes: ARTM majors only.

ARTM 480 - TECHNOLOGY STRATEGY AND ITS ROLE IN THE ARTS
The role of technology in the marketing and distribution of your product, including social media, the internet, radio, TV, and recordings; the use of technology to increase access; the use of technology to expand and sustain audiences.
Credits: 3
Course Notes: ARTM majors only.

ARTM 485 - EDUCATION AND COMMUNITY ENGAGEMENT
An overview of education and community engagement programs within an arts organization. Exploration of the mission and value of outreach and education, and approaches to building successful educational and outreach programs.
Credits: 3
Course Notes: ARTM majors only.

ARTM 490 - BUSINESS MANAGEMENT METHODS
An exploration of fundamental management principles and leadership methods selected by business professionals and tailored to the needs of the arts management professional.
Credits: 3
Course Notes: ARTM Majors only.

ARTM 495 - CAPSTONE: SYNTHESIS OF LEARNING
This course is taken in the final summer session of the ARTM program. Students will work with the program director to design and implement a final project that integrates course work learning into a successful management strategy.
Credits: 3
Course Notes: Project based instruction and learning
**BIOCHEMISTRY (BCHM)**

**BCHM 420 - PHYSICAL CHEMISTRY FOR BIOSCIENCE**
Survey of the principles of physical chemistry that govern molecular structure and chemical reactivity in biochemical systems. Topics include thermodynamics, kinetics, quantum mechanics, computational chemistry and spectroscopic techniques and their application for the study of structure and functioning of biomolecules.
Credits: 3
Course Notes: CHEM 212 with minimum grade of C-, BIOL 301 recommended.

**BCHM 444 - BIOINORGANIC CHEMISTRY**
Survey of biological molecules that involve metal ions and/or metal-containing cofactors; the interaction and biological significance of metal ions including medicinal applications.
Credits: 3
Course Notes: CHEM 212 with a minimum grade of C-; BIOL 301 recommended.

**BCHM 455 - BIOCHEMISTRY**
Electron transport chain, protein structure, enzyme kinetics, biosynthesis and intermediary metabolism of amino acids, and carbohydrates and lipids. Included in the biotechnology certificate program.
Credits: 3
Course Notes: BIOL 301 strongly recommended.

**BCHM 456 - EXP. MTHDS BIOCHEM & BIOTECH**
Biochemical techniques including enzyme and lipid assays, isolation, and analysis of macromolecules.
Credits: 3
Course Notes: Also for BIOL major credit.

**BCHM 457 - ADVANCED BIOCHEMISTRY**
This course covers advanced topics in the chemistry of life and is designed to build upon the fundamental understanding of biochemical topics as presented in introductory biochemistry. The course will focus on protein structure-function relationships and metabolic pathways in human and non-human organisms. Modern biochemical problems and new developments in biochemical techniques will also be explored through primary literature readings and student presentations.
Credits: 3
Course Notes: BCHM 355 with a minimum grade of C-

**BCHM 485 - THESIS**
Independent laboratory research culminating in a written thesis under supervision of a faculty sponsor and thesis committee.
Credits: 1-6

**BCHM 485Y - THESIS COMPLETION**
Credits: 0
Prerequisites: BCHM 485
Course Notes: Completion of the MS thesis beyond BCHM 485.

**BCHM 491 - INDEPENDENT STUDY**
Credits: 1-3
Course Notes: Instructor consent required
BIOLOGY (BIOL)

BIOL 401 - HUMAN CADAVER ANATOMY
The dissection of the human body is a privilege given to few. This graduate course will provide a broad appreciation for the structural organization of the human body and to relate the organization to regional and systems-related functions through human dissection and lecture. Students will examine human cadavers in a regionally based format: including the back, spinal cord, thorax, abdomen, pelvis, upper and lower extremities, and head and neck.
Credits: 2-4
Course Notes: Student must be enrolled in the MA Biomedical Sciences, MS Biology or Biotechnology and, Chemical Sciences program.

BIOL 404 - HISTOLOGY & ULTRASTRUCTURE
Histology is the study of the microanatomy of cells, tissues, and organs as seen through a microscope. It examines the correlation between structure and function. This course will discuss preparation of tissues for microscopic examination, different types of microscopy, immunohistochemistry, and interpretation of tissue sections.
Credits: 2-3

BIOL 414 - QUANTITATIVE ECOLOGY & CONSERVATION
Designing ecological experiments to answer critical questions about climate change, urbanization, ecosystem processes and conservation. This course will be skill-based with a focus around experimental designs, experimental manipulation, emphasizing statistical analyses, intensive field and laboratory exercises, and scientific report writing. Lectures and discussions will review current information on climate change and ecosystem processes in the context of current paradigms of global conservation.
Credits: 2-3
Attributes: Lab Course
Course Notes: MATH 122, BIOL 202 or equivalent required.

BIOL 418 - BIOSTATISTICS
Design, analysis, and interpretation of biological data using statistics.
Credits: 3

BIOL 422 - BOTANY
Study of the major plant groups, their classification and taxonomy, the anatomy used to identify species. Ethno-botanical importance (e.g. medicinal uses), anatomy, morphology and ecology of plant species will be emphasized. Ecological and economic importance of weedy and invasive species in an ecosystem context will be discussed. Principles of classifying seed plants by families will be introduced in the field and in the herbarium at The Field Museum.
Credits: 4
Course Notes: Consent of Instructor, Includes offsite field trips.

BIOL 423 - TROPICAL BIOLOGY
Exploration of tropical habitats, both marine and terrestrial, in terms of basic biology and ecology and current threats due to development. Emphasis is on coral reefs, including snorkeling of the second largest barrier reef in the world off Ambergris Caye in Belize, with opportunities to observe diverse wildlife in the field. Terrestrial field trips include beaches, mangrove swamps, and tropical deciduous forests. Visits to Mayan ruins and the Belize Zoo on the mainland emphasize local cultural ties to the environment.
Credits: 2
Course Notes: Prerequisites: BIOL 324 or concurrent., One prior college science course required, or consent of instructor.

BIOL 424 - MARINE BIOLOGY
Physical forces, biodiversity, organismal function, and ecological interactions that form marine environments. The principles of cell biology, organismic physiology, biomechanics, and ecology applied to marine biological problems.
Credits: 3
Course Notes: BIOL 201 with a min grade of C- or BIOL 202 with a, min grade of C- or BIOL 112 with a, min grade of B. BIOL 423, Tropical Biology, can be taken as a lab for this, course. One prior college science course, with a min grade of C required.

BIOL 430 - PHYSIOLOGY. MECHANISMS AND DISORDERS
Learning to approach human physiology from a medical perspective. This course covers the basic systems of the human body through a focus on case studies and medical applications, focusing on the functions and disorders of the digestive, reproductive, circulatory and nervous systems.
Credits: 3
Course Notes: BIOL 201 or equivalent.

BIOL 432 - ECOLOGY OF TALLGRASS PRAIRIES
Prairies have been described as the most endangered ecosystems in North America. This is a field-oriented introduction to prairies, including exploration of unique ecological processes found at the population, community, and ecosystem levels. Special attention will be given to prairie plants, insects, soils, endangered species, and prairie restoration.
Credits: 4
Course Notes: Consent of Instructor. Includes offsite field trips.

BIOL 437 - NUTRITION IN AMERICA
This course will look at our understanding of nutrition and its effect on the body through the lens of the dual epidemics of obesity and food insecurity in America. Students will learn about epigenetic, microbiome and physiological effects of diet through primary and secondary literature and group projects. Students will also learn about the challenges involved in combating food insecurity and improving the American diet through a service-learning component.
Credits: 3
Attributes: Natural Science
Course Notes: Crosslisted with BIOL 337

BIOL 439 - EVOLUTIONARY PHYSIOLOGY
Learning to approach animal physiology from an evolutionary perspective. This course covers mechanisms by which animals perform life-sustaining functions, the evolution and adaptive significance of physiological traits, the diversity of physiological mechanisms, and how physiology and the environment interact. Laboratory involves dissection and study of physiological traits in a variety of different animals as well as experiments on the adaptive significance of traits.
Credits: 2.3
Attributes: Lab Course

BIOL 440 - ENVIRONMENTAL ETHNOBOTANY
Introduction to scientific studies of ethnobotany. This course will consider the relationship between human cultural ecology and plant use in a variety of ecosystems, and the functions and characteristics of medicinal plants and their interactions with other components of the ecosystem.
Credits: 2-4
Course Notes: MS Biology or Biotechnology and, Chemical Sciences program.
BIOL 443 - CLINICAL BIOETHICS AND MEDICAL LITERATURE
This course provides an important foundation for the study of bioethics, focusing on the principles of bioethics and some salient legal and clinical cases. Students in this class will gain the fundamental tools for understanding and applying the medical literature. Students will gather information and convincing evidence from high-quality repositories of the health literature. In addition, students will determine the best available evidence for indications of validity, importance and usefulness. This is a survey course covering various contemporary topics in bioethics, focusing on issues encountered in clinical practice. Areas to be studied include end-of-life decision making, the family in medical decision making, issues in clinical research, euthanasia, and pediatric issues. The format includes lectures followed by small group case-based discussions.
Credits: 3
Course Notes: Admission into MA Biomedical Sciences.

BIOL 450 - CANCER BIOLOGY
This course provides students with knowledge of the fundamental principles of the molecular and cellular biology of cancer cells. Biology of Cancer is designed to illustrate basic aspects of cancer development, and to discuss how molecular genetic approaches can be used to reveal fundamental processes of carcinogenesis. Lectures and demonstrations explain the role of growth factors, oncogenes, tumor suppressor genes, angiogenesis, and signal transduction mechanisms in tumor formation. Discussion of aspects of cancer epidemiology, prevention, and principles of drug action in cancer management is part of the course.
Credits: 3
Course Notes: Must register for BIOL 451 lecture lab in same semester.

BIOL 451 - GENERAL GENETICS
Classical and molecular genetics. Transmission genetics, chromosome genetics, interaction of genes with sex and environment, mapping, DNA structure and replication, transcription, translation, chromosome structure and genome organization, extrachromosomal inheritance, mutagenesis, gene expression. Genetics of plants, insects, vertebrates, fungi, bacteria, and viruses.
Credits: 2,3
Attributes: Lab Course
Course Notes: Must have BIOL 301 or equivalent.

BIOL 453 - MOLECULAR BIOLOGY
Structure of nucleic acids and chromosomes, DNA replication and repair, general and site specific recombination, control of gene expression at the transcriptional and translational levels, oncogenes and retroviruses. Laboratory techniques include PCR, DNA fingerprinting and DNA sequencing.
Credits: 2,3
Attributes: Lab Course

BIOL 456 - DEVELOPMENTAL BIOLOGY
Basic principles and processes of embryology and development; selected invertebrates, vertebrates, and plants.
Credits: 3
Course Notes: Should have or equivalent for BIOL 301 with a min grade of, C-.

BIOL 458 - CELL BIOLOGY
Molecular interactions that underlie the structure and functions of the cell. Topics include protein structure and function, membrane transport, post-translational modifications of proteins and protein secretion, cell cycle regulation, cell signaling and mechanisms of development and differentiation. Laboratory techniques include SDS-PAGE, cell fractionation, bacterial protein expression and purification, and immunohistochemistry.
Credits: 2,3
Attributes: Lab Course

BIOL 460 - MICROBIOLOGY
Structure and function of prokaryotic cells, including metabolic and genetic diversity; emphasis on differences and similarities with eukaryotes. Roles microbes play in human body, soil, and water ecosystems. Special emphasis on human diseases and microbial processes for the maintenance of biosphere. Applications to medicine, biotechnology, food processing, agriculture, pollution control. Laboratory includes proficient and safe handling of microorganisms, identification of unknown bacteria, and biochemical and microscopic methods. Included in the biotechnology certificate program.
Credits: 2,3
Attributes: Lab Course
Course Notes: Must have BIOL 301 or equivalent with a min grade C-.

BIOL 461 - INFORMATION TECHNOLOGY FOR SCIENCES
Methods of finding biological and biotechnological information. Online and hard copy methods will be discussed; emphasis on the use of various computer databases and the Internet. Genbank and protein sequence databases will be accessed. DNA and protein sequences will be analyzed using various computer-based homology programs.
Credits: 3
Course Notes: Should have BIOL 301 with a min grade of C- or instructor, consent.

BIOL 463 - INTRODUCTION TO GENOME ANALYSIS
This course will provide an in-depth exposure to advanced techniques in computational genomics. Lectures will discuss numerous available computational tools for extracting biological information from nucleotide and protein sequences. The computer-based laboratory will utilize a number of bioinformatics software to demonstrate how to manage, search and analyze genetic sequences. This course will specifically emphasize on current trends and developments in bioinformatics.
Credits: 3
Course Notes: BIOL 301 or equivalent with a min grade of C-.

BIOL 466 - ECOL & EVOL OF MICRO ORG
Interrelationships among microorganisms and their adaptation to the physical, chemical, and biological properties of their environments. Contexts include human health, the human microbiome, and host-pathogen interactions; the natural environment and microbial contributions to matter and energy flow; and applications of microorganisms to industrial processes. Examples of microorganisms from the 3 domains of life will be studied, with special emphasis on microbial diversity. Laboratory focuses on qualitative and quantitative methods for the study of microbial communities, characterization of metabolic and genetic diversity, and emerging research tools. Intended for advanced undergraduates and graduate students.
Credits: 2,3
Attributes: Lab Course, Natural Science
BIOL 467 - IMMUNOLOGY
Humoral and cellular immune responses, generation of immune diversity, autoimmune and immunodeficiency diseases. Immunologic assays relevant to clinical settings. Laboratory techniques include antibody-antigen interaction, ELISA, and the purification of lymphocyte populations. Included in the biotechnology certificate program.
Credits: 3
Attributes: Lab Course
Course Notes: Must have BIOL 301 or equivalent with a min grade of C-

BIOL 468 - RESEARCH METHODS
This course will cover the theory and practical application of various techniques used to analyze biological data including hands-on practice with equipment used in modern life science laboratories. Topics covered include pre-experiment planning, preparative methods, analytical methods, statistical evaluation of data and communication of results. Credit may be used in fulfillment of the research requirement for the MS degree.
Credits: 3
Course Notes: Graduate status and completion of one semester of, graduate work at Roosevelt University.

BIOL 469 - CONSERVATION BIOLOGY: AFRICA
Conservation Biology—Tropical Africa is a 10 day, field-based course that will largely be carried out in the Amani Nature Reserve, Tanzania, where Dr. Norbert Cordeiro (Roosevelt University) and Dr. Henry Ndangalasi (University of Dar es Salaam, Tanzania) have been working since 1998. Field work will include (i) conducting applied ecological studies relevant to conservation in the area, (ii) discussing and problem-solving issues of poverty and conservation affecting human access to resources, (iii) meeting with Tanzanian stakeholders to gain an appreciation of the complexities of the solutions required to conserve one of the world's most important forests. Students will also spend 2 days in a savannah habitat at one of Tanzania's premier national parks. This course will involve designing ecological experiments, experimental manipulation, statistical analyses, intensive field and laboratory exercises, and scientific report writing.
Credits: 2,3
Attributes: Lab Course

BIOL 471 - BIOLOGY OF AGING
The biological relationships between the normal activities of life and aging. Changes in structure and function at various levels of biological organization (subcellular population) with age. Lectures, expert guest speakers, student seminars, term paper.
Credits: 3
Course Notes: Must have a min of 3 hours of a 100 level BIOL course with a, min grade C-

BIOL 480 - APPLICATIONS OF BIOTECHNOLOGY
Research, medical, environmental and industrial uses of biotechnology. Lectures by the biotechnology faculty as well as industrial researchers. Current and future trends in the field.
Credits: 3

BIOL 481 - BIOLOGY OF BIRDS: ORNITHOLOGY
This is a hands-on course in the study of birds, from basic biology, to evolution, taxonomy, anatomy, ecology and behavior. There will be labs at the Field Museum using real specimens, and the exploratory field work component will include bird identification skills and bird ecology and behavior. Using a combination of lectures and invited speakers, students will build a firm and solid foundation on bird behavior, ecology and evolution, which will include a plethora of field techniques and laboratory skills.
Credits: 4
Course Notes: BIOL 202 (with a min grade of C-); field work included.

BIOL 482 - BIOTECHNOLOGY INDUSTRY PRACTICE
An exploration of the biotechnology industry, including biotechnology commercialization, academic partnerships, economics and global business models; ethical, legal, environmental and social considerations; good laboratory practice (GLP) and good manufacturing practice (GMP); the role of governmental regulatory policy in research, development and production.
Credits: 3
Course Notes: Graduate standing or consent of instructor, Required for Biotechnology Management concentration

BIOL 483 - SPECIAL TOPICS IN BIOLOGY
Discussion and critical review of contemporary issues in biology and biomedical sciences based on student and instructor interests. Discussions are intended to foster thought and exploration of solutions to problems in health care, biological research, and approaches to combat health disparities.
Credits: 3

BIOL 485 - THESIS
Independent laboratory research culminating in a written thesis under supervision of a faculty sponsor and thesis committee.
Credits: 1-6
Course Notes: Graduate Status.

BIOL 485Y - THESIS COMPLETION
Credits: 0
Prerequisites: BIOL 485
Course Notes: Completion of the MS thesis beyond BIOL 485.

BIOL 491 - BIOLOGY INTERNSHIP
Off-campus experience at area medical facility. Rotation through at least five medical specialties at a hospital or an approved medical or biomedical research or clinical facility. At least 12 contact hours.
Credits: 1-6

BIOL 492 - RESEARCH IN BIOLOGY
Independent field- or laboratory-based research experience under the supervision of a faculty sponsor. A minimum of 3 completed semester hours will fulfill the research requirement for the MS degree. Up to 3 semester hours may be applied toward thesis requirements. Students may register in consecutive semesters.
Credits: 1-4
Course Notes: Consent of instructor. $100 per semester hour. Students must arrange for independent laboratory research, experience with a science faculty member, prior to registration.

BIOL 495 - INDEPENDENT STUDY
Independent library research or theory-based experience under the supervision of a faculty sponsor. 1 to 5 semester hours may be applied toward the MS degree. Credit may not be applied toward research or thesis requirements.
Credits: 1-5
BUSINESS ADMINISTRATION (BADM)

BADM 401 - GRADUATE BUSINESS ORIENTATION
An online orientation course designed to provide the student with a basic review of the material covered in undergraduate business programs in order to ensure that the student is prepared for advanced graduate courses. Graded pass/fail.
Credits: 1
Course Notes: Online course. Graduate Standing in Heller College, of Business required. This course must be successfully, completed within the first semester of enrollment.
BUSINESS LAW (BLAW)

BLAW 420 - LEGAL ENVIRONMENT AND SOCIAL RESPONSIBILITY
Background, development, and institutional settings of social responsibility. Business organizations and their responsibilities to employees, government, and laws.
Credits: 3
CHEM 413 - ADVANCED ORGANIC CHEMISTRY
Spectrometric methods for determining the structures of organic compounds. Mass spectrometry, proton and carbon FT-NMR, infrared, ultraviolet, and visible spectroscopy. Laboratory includes synthesis of organic compounds and applied spectroscopic methods.
Credits: 2,3
Attributes: Lab Course
Course Notes: Lecture and Lab course., Should have the equivalent of CHEM 202 with a min, of C- and CHEM 212 with a min grade of C-.

CHEM 421 - PHYSICAL CHEMISTRY- THERMODYNAMICS
First, second, third law of thermodynamics, chemical equilibrium, phase equilibrium and kinetic theory of gases.
Credits: 2,3
Attributes: Lab Course
Course Notes: Should have equivalent of CHEM 202 with a min, grade of C- and CHEM 212 with a min grade of C-, and Math 232 with a min grade of C- and PHYS, 202 and PHYS 234 with a min grade of C-.

CHEM 437 - INSTRUMENTAL ANALYSIS
Basic theories and experimental techniques in instrumental methods of analysis including spectrophotometry, chromatography, and electrochemistry.
Credits: 2,3
Attributes: Lab Course
Course Notes: Lecture and Lab course., Must have equivalent of CHEM 202 with a min grade of C- and CHEM 212 with a min grade of C- and CHEM 237 with a min grade of C-.

CHEM 441 - INORGANIC CHEMISTRY
Survey of theoretical and synthetic inorganic chemistry. Atomic theory, bonding theory, crystal structure, chemical periodicity, coordination compounds, acid-base systems, and molecular symmetry.
Credits: 3
Course Notes: CHEM 202 with a min grade of C- and CHEM 212 with a min grade of C- and CHEM 237 with a min grade of C-.

CHEM 444 - BIOINORGANIC CHEMISTRY
Survey of biological molecules that involve metal ions and/or metal-containing cofactors; the interaction and biological significance of metal ions including medicinal applications.
Credits: 3
Course Notes: CHEM 212 with a min grade of C-; BIOL 301 recommended.

CHEM 452 - MEDICINAL CHEMISTRY
Chemistry and pharmacology of the principal classes of drugs; history of the development of medicinal chemistry; mechanisms of drug action; relationships between molecular structure and biological activity; the literature of medicinal chemistry; evaluation of potential drugs; perspective on the design of new drugs.
Credits: 3
Course Notes: Graduate standing

CHEM 485 - THESIS
Independent laboratory research culminating in a written thesis under supervision of a faculty sponsor and thesis committee.
Credits: 1-6

CHEM 492 - RESEARCH IN CHEMISTRY
Independent field- or laboratory-based research experience under the supervision of a faculty sponsor. A minimum of 3 completed semester hours will fulfill the research requirement for the MS degree. Up to 3 semester hours may be applied toward thesis requirements. Students may register in consecutive semesters.
Credits: 1-4
Course Notes: Consent of instructor. $100 per semester hour., Students must arrange for independent laboratory, research experience with a science, faculty member prior to registration.

CHEM 495 - INDEPENDENT STUDY
Credits: 1-6
Course Notes: Consent of instructor
COMMUNITY DEVELOPMENT AND ACTION (CDA)

CDA 490 - CAPSTONE: COMM ACTION RSCH PROJ
Independent research project that serves as the capstone experience for the Community Development and Action graduate program.  
Credits: 6  
Attributes: Social Science

CDA 494 - INTERNSHIP
Internship with a local organization involving work in community development/action. An internship requires working the equivalent of 8 hours/week (10 hours summer) for a total of at least 120 hours at the site of the selected organization. Students will meet the internship requirements of the department (e.g., journal, final paper). Offered in conjunction with faculty advisor, by faculty consent, and requires an advanced signed contract.  
Credits: 3  
Attributes: Social Science  
Course Notes: Instructor consent

CDA 495 - INDEPENDENT STUDY
Pursuit of individually selected topics. Topic may not be part of regular curriculum; student must demonstrate significant interest and preparation for study.  
Credits: 1-6  
Attributes: Social Science  
Course Notes: Instructor consent
**CST 401 - WEB SEARCH**
Methods and techniques used to search the Web, including classics such as Google's ranking algorithm and other more recent methods such as decentralized search. Topics also include related techniques from data mining, e-commerce, and other areas. Main focus is to highlight new algorithmic ideas that can be useful for many different applications.
Credits: 3
Course Notes: Math 245 with min grade C- required.

**CST 405 - ALGORITHM DESIGN**
The main purpose of the course is to enhance students' algorithmic skills. Algorithmic problems, arising across the full range of computing applications, are the following two tasks. First, such a problem rarely arrives as a cleanly packaged, mathematically precise question. Therefore, we begin an algorithm design process with getting to a clean formulation of the problem. Then, based on the structure of the problem, we identify an appropriate algorithmic technique and use it to develop an efficient algorithm. Students will enhance their skills for both tasks by learning a wide variety of algorithmic problems in business, engineering, science, etc.
Credits: 3
Course Notes: Math 245 with min grade C- required.

**CST 406 - BIG DATA**
Coverage of approaches and methods for very large-scale data collections (Big Data). Also covers the place of Big Data in society and in business including economic, social, ethical and cultural implications. Students will learn to use map-reduce workflows and Big Data tools such as the Hadoop ecosphere.
Credits: 3
Course Notes: Prerequisites: CST 250 or CST 365, or consent.

**CST 408 - ADVANCED ALGORITHMS**
Credits: 3
Course Notes: CST 280 with a min grade C- or concurrent.

**CST 411 - INTELLIGENCE SYSTEMS**
We study automated search methods in constrained state spaces. We learn methods of blind, heuristic and local search and methods that involve applications of mathematical logic. We proceed to solving constraint satisfaction problems, planning and scheduling. Applications to multiagent systems and robotics. The course has programming component. Coursework includes an independent study component where students learn advanced topics in artificial intelligence.
Credits: 3
Course Notes: Math 122 with a min grade C- or better.

**CST 412 - THEORY OF COMPUTATION**
Fundamentals of computing with emphasis on questions of what can and cannot be computed in principle, what can and cannot be computed efficiently. Course topics include models of computation, decidable and undecidable problems, computational complexity, probabilistic computation, interactive protocols, quantum computation, etc. Coursework includes an independent study component where students learn advanced topics in theory of computation.
Credits: 3
Course Notes: CST 280 with a min grade C- required.
CST 440 - COMPUTER ARCHITECTURE
Internal organization of the components of computer systems with special focus on the design and implementation of the central processing unit and the internal hardware and software structure of a CPU that is normally hidden from the programmers using a high level language. Topics will include combinatorial and sequential circuits, adders, shift registers, computer logic and arithmetic, encoders, decoders, flip-flops, latches, gates and Boolean algebra. Advanced topics include busses, ALU’s, memory, cache.
Credits: 3
Course Notes: CST 150 with a min grade of C- required.

CST 444 - O.O.P & WEB SERVICES
An intensive course in programming emphasizing the development of reusable software components via the object oriented programming (OOP) capabilities of C#. Topics include user interface controls, exception handling, classes, function overloading and default arguments, operator overloading, event-driven programming, polymorphism and UML. Extensive programming required.
Credits: 3
Course Notes: CST 250 with a min grade C-or CST 365 with a min grade C-, required.

CST 449 - ADVANCED COMPUTER ARCHITECTURE
This course covers instruction set architecture, data path and control unit design, advanced computer arithmetic, pipelining, memory hierarchy and I/O subsystem, performance issues.
Credits: 3
Prerequisites: CST 261 or CST 317

CST 450 - BOOLEAN ALGEBRA & SWITCHING
Logic gates and Boolean algebra. Fundamental building blocks: flip-flops, counters and registers. Logic expressions, minimization. Digital arithmetic. See also Math 450.
Credits: 3
Course Notes: Math 245 or MATH 290 with a min grade C-.

CST 455 - GRADUATE SEMINAR
Course content varies. Study of the current state of research in a designated area of the computer science. A faculty member introduces initial study of the fundamentals, followed by the study of recent publications chosen by a faculty member.
Credits: 3

CST 457 - SYSTEMS PROGRAMMING
Introduction to programming at the system level. Programming methods and issues which are specific to working with the operating system. Topics include process, thread model, synchronous and asynchronous event handling, IPC, RPCs and sockets, and distributed applications. Course includes learning to program with JAVA in UNIX and Windows environments. A computer use course.
Credits: 3
Course Notes: Cst 250 or Cst 365 with a min grade C- required.

CST 460 - INFORMATION SECURITY
Covers current topics in Information Security.
Credits: 3

CST 461 - MACHINE LEARNING
A graduate course in the theory, algorithms and applications of Machine Learning (ML) and the analysis of algorithms by which computational systems learn to perform tasks. Implementation of several ML techniques will enhance the student’s understanding of the underlying material.
Credits: 3

CST 465 - NETWORK APPLICATIONS DEVELOPMENT
Design and programming applications for networks and the World Wide Web; client side and server side processing; the use of a web browser as a client and user interface. Internet protocols such as https, ftp, and ssl and issues such as security, reliability, and management. Course includes programming with JAVA in UNIX and Windows environments. A computer use course.
Credits: 3
Course Notes: CST 150 with a min grade of C-.

CST 466 - CRYPTOGRAPHY
Cryptography provides algorithms and protocols for secure communication over an insecure channel. These tools are also used in many other aspects of information security such as access control or digital signature. Cryptography plays a crucial role in a wide scope of real-world applications, from the classical military and national security applications to email and online banking. The course focuses on concepts and techniques underlying public-key cryptography. Course topics include symmetric cryptosystems, RSA and other public-key cryptosystems, digital signatures, key exchange protocols, secret sharing, identification schemes, etc. Coursework includes an independent study component where students learn advanced topics in cryptography.
Credits: 3
Course Notes: CST 150 and MATH 245 with min. grade of C-, or consent of the instructor.

CST 467 - WEB-BASE DATABASE APPLICATIONS
Interactive web-based applications that use one or several databases. Theoretical and project oriented.
Credits: 3
Course Notes: Any 200 level programming course with a min grade C- or, CST 333 and CST 365 or CST 250 with a min grade C-.

CST 468 - INTERNET SECURITY
An in-depth study of Internet security focused on contemporary threats and countermeasures. A number of threats will be discussed including protocol vulnerabilities, denial of service attacks, malware, and other readily available hacking tools. The security mechanisms used to thwart these threats include firewalls, proxy servers, and other security techniques and tools
Credits: 3
Course Notes: Must have one course in Data Communication with a C- or, higher or instructor’s consent.

CST 471 - DISTRIBUTED DATABASES
Use of multiple, physically and logically separate databases. Data modeling, horizontal and vertical fragmentation, distributed query processing, concurrency, deadlocks, and recovery techniques. Heterogeneous and object-oriented databases. Functional languages like LISP and ML are studied as well as logic programming.
Credits: 3
Course Notes: 9 Credit Hours of Computer Sci. Min grade, of C- required in prerequisite work.

CST 472 - PROGRAMMING LANGUAGES
Global properties of algorithmic languages including scope of declarations, storage allocation, binding time of constituents, subroutines, and tasks. List processing, string manipulation, data description, and simulation languages.
Credits: 3
Course Notes: CST 250 with a min grade C-.
CST 476 - DISTRIBUTED APPLICATIONS
Advanced topics in web programming and network applications. Use of existing protocols such as HTTP and FTP as well as technologies for designing custom protocols; chat, instant messaging, file sharing, and other technologies. Course includes programming with JAVA in UNIX and Windows environments. A computer use course.
Credits: 3
Course Notes: or any 200 level programming course or Cst 250 with a min grade C- or Cst 365 with a min grade C-.

CST 478 - PATTERN RECOGNITION
We study algorithmic methods of identifying patterns and regularities in data. Different approaches are based on statistical, structural and template matching methods data analysis. Coursework includes an independent study component where students learn advanced topics in pattern recognition.
Credits: 3
Course Notes: Cst 280, MATH 246, and Math 217 with a min grade, C- required.

CST 480 - SPECIAL TOPICS
Course content varies. May be repeated for credit with different topics.
Credits: 1-3

CST 481 - INTELLIGENT SYSTEMS
Advanced problems of programming computers to perform tasks commonly regarded as requiring human intelligence. The cognitive aspects of human intelligence will be covered. Introduction to a functional decision language such as LISP or Prolog.
Credits: 3
Course Notes: CST 250 or 365 both with a min grade C- required.

CST 482 - COMPUTER GRAPHICS
Representation, manipulation, and display of two- and three-dimensional objects. Applications to specific problems, including computer games. OpenGL will be taught.
Credits: 3
Course Notes: Instructor consent or CST 250 and MATH 245 with a min grade C- required.

CST 485 - THESIS/PROJECT RESEARCH
Planning and implementation of research component of student's MS thesis or project.
Credits: 3,6
Course Notes: Approval of CST thesis sponsor and Dept. Chair required., Must be taken in a semester prior to either CST 490 or, CST 499.

CST 486 - INFORMATION RETRIEVAL
Theory and practice of information retrieval with emphasis on applications to web search. The course covers traditional information retrieval topics (retrieval models, indexing, classification, clustering, ranking of web pages, etc.) and more recent topics (such as interactions between information retrieval and natural language processing). The course has programming component. Coursework includes an independent study component where students learn advanced topics in information retrieval.
Credits: 3
Prerequisites: CST 280 or (CST 150 and CST 333)
Course Notes: CST 280 with min grade C- or CST250 and CST 333 both with a, min grade of C-

CST 490Y - MASTERS THESIS COMPLETION
Continuation of the CST Master's Thesis.
Credits: 0
Prerequisites: CST 485
Course Notes: Approval of CST faculty sponsor and Dept. Chair. Students, must register for this course if they fail to meet deadlines, for completion of CST 490.

CST 494 - INTERNSHIP COMPUTER SCIENCE
Advanced in-service learning under faculty supervision.
Credits: 1-3
Course Notes: Consent of Faculty Supervisor required

CST 495 - INDEPENDENT STUDY
Study conducted under the guidance of appropriate faculty member. Proposal must state purpose of study, problem, methods, and means of evaluation.
Credits: 1-3
Course Notes: Consent of advisor and Dept. Chair.

CST 499 - MASTERS PROJECT
Completion of the MS project.
Credits: 3
Prerequisites: CST 485
Course Notes: Approval of CST faculty sponsor and Dept. Chair.

CST 499Y - MASTERS PROJECT COMPLETION
Continuation of the CST Masters Project.
Credits: 0
Prerequisites: CST 485
Course Notes: Approval of CST faculty sponsor and Dept. Chair. Students, must register for this course if they fail to meet deadlines, for completion of CST 499.

CST 500 - FND COMPUTING
FND COMPUTING
Credits: 3
CONFLICT AND MEDIATION (CNMN)

CNMN 400 - CRITICAL AND CREATIVE THOUGHT
Focusing on critical thinking, creativity and logic this course will prepare students to evaluate conflict variables, identify fallacious lines of thinking and to creatively generate solutions. Ethics and professionalism in the conflict resolution and mediation process are explored.
Credits: 3

CNMN 410 - INTERPERSONAL COMMUNICATION IN CONFLICT AND MEDIATION
Students examine the dynamics of interpersonal and intergroup conflict with emphasis on the role of identity in conflict. The nature of conflict and communication in all aspects of the conflict resolution process. How to deconstruct and resolve conflict in different contexts with an introduction to mediation skills and online dispute resolution. Using a self-scorable assessment, students will discover which of five conflict-handling styles is their preferred mode and the implications.
Credits: 3

CNMN 420 - CONFLICT MANAGEMENT RESEARCH METHODS
This course introduces students to quantitative and qualitative research methods used in the study of conflict. Particular emphasis is placed on methods to assess conflict and evaluate interventions for specific environments.
Credits: 3

CNMN 430 - ALTERNATIVE DISPUTE RESOLUTION (ADR) CONTINUUM
Designed to provide students an understanding of the American Legal System and innovations in ADR, this course familiarizes students with dispute resolution processes such as negotiation, mediation, arbitration, early neutral evaluation and ombudspersons. Students learn the costs associated with and benefits of each process in the continuum.
Prerequisites: CNMN 400 (may be taken concurrently) and CNMN 410 (may be taken concurrently)

CNMN 440 - FACILITATION
In this highly interactive course, participants will learn to use facilitative skills. Students will develop skills in setting ground rules, applying communication strategies, and diagnosing and intervening barriers to positive facilitation.
Credits: 3
Attributes: Adult Flex Track

CNMN 450 - THEORIES OF CONFLICT AND MEDIATION
Designed to introduce students to the foundation and theories of conflict management, this course includes an interdisciplinary introduction to conflict, its sources and major theories. Students gain understanding of various theoretical frameworks, exploring the causes and management of conflicts at various levels including the individual, community, national and international. The multi-disciplinary focus of the course allows participants to see the relationship between established theories to current conflictual situations, emphasizing conceptual explanations for the causes, courses and management of conflict.
Credits: 3

CNMN 460 - PUBLIC AND COMMUNITY CONFLICT
Students will learn to manage public disputes that occur under the glare of public scrutiny, which requires greater flexibility to facilitate large-group processes and deal with media outlets. Students will acquire substantive knowledge of and develop practical skills central to the resolution of intercultural and international conflict. Students will examine the process of international conflict resolution through diplomatic negotiation and mediation.
Credits: 3
Attributes: Adult Flex Track
Prerequisites: CNMN 400 and CNMN 410

CNMN 465 - ORGANIZATIONAL AND LABOR CONFLICT AND MEDIATION
Issues relevant to conflict in the workplace and labor market are explored. Union negotiations, workplace bullying, intra and inter-organizational conflict and appropriate approaches to resolution.
Credits: 3
Attributes: Adult Flex Track
Prerequisites: CNMN 430

CNMN 468 - FAMILIAL AND INTERPERSONAL CONFLICT AND MEDIATION
This course will explore the dynamics of interpersonal and familial conflict and the issues that are particular and relevant to this pervasive form of conflict. Appropriate resolution strategies and boundaries are discussed.
Credits: 3
Attributes: Adult Flex Track
Prerequisites: CNMN 430

CNMN 475 - NEGOTIATION TACTICS/NEGOTIATION
This course provides students an understanding of the fundamentals of negotiation theory through a format that includes lecture, role-play, focused exercises and case study. Covered concepts include game theory, distributive and integrative bargaining, principled negotiation, psychological barriers to settlement, and negotiation ethics.
Credits: 3
Attributes: Adult Flex Track

CNMN 480 - CONFLICT SIMULATION
Students apply their conflict resolution skills through a series of simulations. Students will serve as mediator and disputants in these simulated case studies as preparation for applied practicums in live situations.
Credits: 3
Prerequisites: CNMN 400 and CNMN 410
Course Notes: Additional Practicum course fee.

CNMN 485 - SPECIAL POPULATIONS AND CURRENT MEDIATION TOPICS
Special topics relevant to particular populations, situations or current events in the mediation and conflict field are explored.
Credits: 3
Attributes: Adult Flex Track
Prerequisites: CNMN 430

CNMN 490 - ADVANCED APPLIED SKILLS PRACTICUM II
Students apply conflict resolution skills under the supervision of an experienced conflict resolution expert. Placements will be scheduled via the faculty in a Cook County Court. The Advanced Applied Skills course is only offered in the summer and students will be required to attend some court days during the daytime to complete the course. The course does not require full time attendance during the day.
Credits: 3
Prerequisites: CNMN 480
CREATIVE WRITING (CRWR)

CRWR 431A - FICTION FORMS WORKSHOP
This course provides a broad history of the genre combined with the workshop format. Emphasis will include developing an understanding of basic fictional elements such as: point of view, voice, character, plot, setting, imagistic patterning, structure, movement, pacing and others. It is a prerequisite for all other fiction workshops.
Credits: 3
Course Notes: MFA standing or consent.

CRWR 431B - TOPICS: FICTION WORKSHOP
This workshop builds on the core concepts explored in the Fiction Forms course. Students will concentrate on developing their fiction portfolio while focusing on a selected body of readings to further solidify their knowledge of fictional forms. Emphasis may vary. Finding Voice; The Short Story Collection.
Credits: 3
Prerequisites: CRWR 431A or ENG 431A

CRWR 432A - POETRY FORMS WORKSHOP
In the 21st century, why write in a poetic form, like a sonnet or a villanelle? Do forms still have currency? Yes, and many poets use them as a control chaotic content, to enjoy the ringing tones of rhyme and repetition, and as an exercise, to stretch and develop their poetic muscles. We'll explore some of the familiar patterns but also dive into some wacky contemporary forms and enjoy the transgressive pleasures of bending an already existing pattern to new purposes. All explorers welcome as we write our way around the world, from the Elizabethan and Italian sonnets to the Japanese renga, with stops in Wales, Spain, and the Middle East.
Credits: 3
Course Notes: MFA standing or consent.

CRWR 432B - TOPICS: NON FICTION WORKSHOP
This workshop builds on the core concepts explored in the Nonfiction Forms course. Students will concentrate on developing their creative nonfiction portfolio while focusing on a selected body of readings to further solidify their knowledge of creative nonfiction forms. Emphases may vary. Humor in Creative Nonfiction; The Memoir; The Researched Essay Collection.
Credits: 3
Prerequisites: ENG 434A or CRWR 434A

CRWR 434A - CREATIVE NONFICTION FORMS WORKSHOP
This course provides a broad history of the genre combined with the workshop format. Emphasis will include developing an understanding of basic creative nonfiction elements such as voice, point of view, distance versus intimacy, truth versus memory, imagistic patterning, structure, setting, research, and others. It is a prerequisite for all other creative nonfiction workshops.
Credits: 3
Course Notes: MFA standing required.

CRWR 434B - TOPICS: NON FICTION WORKSHOP
This workshop builds on the core concepts explored in the Nonfiction Forms course. Students will concentrate on developing their creative nonfiction portfolio while focusing on a selected body of readings to further solidify their knowledge of creative nonfiction forms. Emphases may vary. Humor in Creative Nonfiction; The Memoir; The Researched Essay Collection.
Credits: 3
Prerequisites: ENG 434A or CRWR 434A
Course Notes: or consent.

CRWR 435 - SPECIAL TOPICS IN CREATIVE WRITING
Through work in two genres--chosen by the instructor from fiction, poetry and creative nonfiction--students develop their craft and build their portfolios. Focus on critique of student work; analysis of work by notable authors, both contemporary and historic; and exploration of voice, style, and techniques for effective revision.
Credits: 3
Prerequisites: ENG 431A or ENG 434A or CRWR 431A or CRWR 434A
Course Notes: MFA standing required.

CRWR 437 - SCREEN WRITING
Students produce a full-length screenplay in a workshop atmosphere, practicing techniques used by professional screen writers to create complex characters, thrilling action, and original plots. Some attention to marketing the screenplay, including the treatment and pitch.
Credits: 3
Course Notes: MFA standing or consent.

CRWR 483 - LITERARY MAGAZINE INTERNSHIP
All student staff edits Oyez Review, a literary journal featuring fiction, poetry, and creative nonfiction, published at Roosevelt for over 40 years. Hands-on internship in editing, designing, producing, publicizing, and distributing the journal. Some instruction in protocols for book, magazine, and newsletter publishing.
Credits: 3
Course Notes: MFA program or instructor's consent.

CRWR 484 - SMALL PRESS PUBLISHING INTERNSHIP
Credits: 3

CRWR 490 - MFA IN CREATIVE WRITING THESIS
A substantial project in creative writing--a novel or collection of stories or essays--developed over two semesters
Credits: 3-6

CRWR 490Y - CREATIVE WRITING THESIS CONTINUATION
Credits: 0

CRWR 495 - INDEPENDENT STUDY
Credits: 3
Attributes: Humanities
Course Notes: Consent of Instructor Required
ECON 402 - HISTORY OF ECONOMIC THOUGHT
Madmen in authority, who hear voices in the air, are distilling their frenzy from some academic scribbler of a few years back' Thus spoke John Maynard Keynes, a 20th-century authority on economic theory and distinguished student of the history of economic thought. The development of economic thinking from the 16th century through the present day; the theories and methodologies of some great economists, such as Adam Smith, David Ricardo, Karl Marx, and Lord Keynes.
Credits: 3
Course Notes: or instr consent

ECON 403 - ECONOMICS FOR DECISION MAKERS
Economic concepts and analysis applied to understanding domestic and global commerce, government policies towards business, and business policies towards other businesses. How to use economic analysis to read and interpret economic reports. Focus on microeconomics, macroeconomics, and international trade. For MBA students and other non-economics graduate students; no credit for economics majors.
Credits: 3
Course Notes: No credit for ECON majors.

ECON 405 - MODERN POLITICAL ECONOMY
Exploration of topics from Marxist, Post-Keynesian, and institutionalist approaches to political economy; focus on their philosophical foundations and political implications. May include theories of historical materialism, alienation, value and distribution, crises and depression, democracy and the state, economic and labor history, and the world capitalist system.
Credits: 3
Course Notes: Graduate standing

ECON 408 - FEMINIST POLITICAL ECONOMY
This is a non-traditional study of the economic situation of women in the United States. Most economic analysis assumes the individual chooses to make mutually beneficial change the focus here gives attention to the interrelation between the family, the labor market, and the government in determining women economic fortunes
Credits: 3
Course Notes: WGS grad students may enroll with permission of instructor.

ECON 409 - ECONOMICS OF URBAN INEQUALITY
Economic and sociological theories of urban inequality. Urban economic and population trends; urban labor markets and poverty; urban housing markets and poverty; the links between cities and suburbs.
Credits: 3

ECON 417 - ECONOMICS OF WORK AND LABOR
This course will investigate the changing nature of work including such topics as: contiNgent labor, part-time work, the low-wage labor market, out-sourcing, unionization, and consultancy. These topics will be explored both theoretically and empirically with an emphasis on how different schools of thought within economics try to make sense of the contemporary labor market.
Credits: 3
Prerequisites: ECON 423
Course Notes: or instr. consent

ECON 421 - MACROECONOMIC THEORY
A first graduate course in macroeconomics. Analysis of the determination of output, employment, price level, and economic growth. Special attention to the nature of the business cycle and possibilities for countercyclical government monetary, fiscal, and incomes policies.
Credits: 3

ECON 423 - MICROECONOMIC THEORY
A first graduate course in microeconomics. Neoclassical microeconomics with a critical perspective. Analysis of supply, demand, production, and costs; price determination under conditions of perfect and imperfect competition; theory of income distribution.
Credits: 3

ECON 426 - THEORIES OF JUSTICE
The course will explore some fundamental questions about economic justice in a dialogical and interdisciplinary context. Student will read selections from classic texts (Aristotle to Walzer) as well as journal articles by contemporary theorists.
Credits: 3
Course Notes: Graduate standing

ECON 436 - QUANTITATIVE ANALYSIS FOR MANAGERS
Covers quantitative techniques used in human resource management, market research, operations management, I/O psychology and other business research arenas. Students are provided both a conceptual understanding of the various statistical tests available and the ability to interpret the results of quantitative analyses which support decision-making in a business context. Topics include problem analysis, research design, data presentation, probability, regression analysis, statistical inference, and other related techniques. Cross-listed with MGMT 403.
Credits: 3

ECON 438 - FINANCIAL CRISES AND MARKETS
Role of money and financial institutions in operation of modern economies investigated with aid of modern macroeconomic theory. Special attention is paid to the nature and causes of financial crises.
Credits: 3
Prerequisites: ECON 403
Course Notes: or ECON graduate standing.

ECON 440 - ADVANCED MACROECONOMIC THEORY
Basic macroeconomic theories refined, extended, and critiqued.
Credits: 3
Prerequisites: ECON 421 and ECON 463
Course Notes: or instr. consent

ECON 446 - INTRODUCTION TO ECONOMETRICS
Construction of econometric models, statistical testing of economic hypotheses, and estimation of parametric values in economic relationships using regression analysis. Computer applications.
Credits: 3
Prerequisites: ECON 436
Course Notes: or instr. consent

ECON 450 - TOPICS IN ECONOMICS & FORECASTING
Advanced topics in econometrics that may include matrix formulations of regression models, regression diagnostics and residuals analysis, stepwise regression, time series data and time series models (serial correlation of residuals, Akaike Information Criterion, Durbin-Watson test), ARIMA models, systems of equations, and Seemingly Unrelated Regression. Excellent preparation for quantitative research and advanced graduate work. Background in statistics and linear regression models required.
Credits: 3
Prerequisites: ECON 446
ECON 452 - URBAN ECONOMIC DEVELOPMENT  
Interdisciplinary approach to theories of urban/local economic development including economics, planning, political science, finance, sociology, and marketing. Application of theories to real world economic issues including local area, business, community, human resource development, high technology, and technology transfer. (3)  
Credits: 3  
Course Notes: Instr. consent

ECON 455 - RHETORIC AND WRITING IN ECONOMICS AND THE SOCIAL SCIENCES  
An introduction to the varieties of rhetorics employed in economics and other human sciences, including parts of philosophy and statistics. Practices of reading for the variety of rhetorics will be complemented by practices of writing for them. Students will learn to write persuasively in their home disciplines, and in several different genres.  
Credits: 3  
Prerequisites: ECON 421 or ECON 423  
Course Notes: or consent of instructor

ECON 456 - ECONOMICS OF INEQUALITY  
History, causes, and consequences of rising economic inequality in the U.S. and elsewhere.  
Credits: 3  
Prerequisites: ECON 101 with a minimum of C-, or Graduate standing

ECON 460 - INTERNSHIP IN ECONOMICS  
Internship in Economics.  
Credits: 3

ECON 463 - MATHEMATICS FOR ECONOMICS  
Mathematical tools and techniques in modern Keynesian, Neoclassical, Marxian, and Neoricardian economic theories. The methodology of mathematical economics, sets, functions, matrix algebra, comparative statistics, and differential calculus. A secure understanding of college algebra is presumed on the part of the student as prerequisite for taking this course.  
Credits: 3

ECON 465 - ADVANCED MICROECONOMIC THEORY  
Neoclassical and non-neoclassical analysis of the microfoundations of aggregate economic activity with applications to distribution and fairness, growth and innovation, regulation, industrial policy, theories of the firm, of consumer behavior, and class conflict.  
Credits: 3  
Prerequisites: ECON 423 and ECON 463  
Course Notes: or instr. consent

ECON 472 - PUBLIC FINANCE  
Public expenditure theory, supply and demand of public goods, and criteria for optimal allocation of resources. Philosophy, practice, and incidence of taxation.  
Credits: 3  
Prerequisites: ECON 421 or ECON 423  
Course Notes: or instr. consent

ECON 476 - INTERNATIONAL TRADE & IMPERIALISM  
Theory of international trade, international movements of capital and labor, and national commercial policies; economic analysis of multinational corporations and question of imperialism.  
Credits: 3  
Prerequisites: ECON 421 or ECON 423  
Course Notes: or instr. consent

ECON 477 - INTERNATIONAL FINANCE & BALANCE OF PAYMENTS  
Theory and description of foreign exchange rates and foreign exchange markets; interactions between national income and balance of payments; evaluation and reform of international monetary institutions.  
Credits: 3  
Prerequisites: ECON 421 or ECON 423  
Course Notes: or consent

ECON 490 - THESIS  
Credits: 3

ECON 495 - INDEPENDENT STUDY  
Credits: 1-6

ECON 510 - MANAG ECON  
A study of the economic theory and applications relevant to business decision-making. Topics include supply and demand analysis, consumer elasticity, the theory of production and cost, profit maximization and marginal analysis, the theory of the firm in different selling and hiring environments, and the economics of personnel and compensation. Specific applications include such business decisions as production, pricing strategy, and employment. (Prerequisite: BUS 501)  
Credits: 3  
Prerequisites: BUS 501
EDUCATION (EDUC)

EDUC 402 - CHILD & ADOLESCENT DEVELOPMENT, LEARNING AND MOTIVATION
Comprehensive study of child growth, development, learning, and motivation from conception through adolescence. Emphasis on early stages as foundation for later physical, social, emotional, and cognitive development. Theories and current research focusing on development, learning, motivation and behavior management. Application of concepts to the development of effective and engaging classroom communities.
Credits: 3

EDUC 421 - INTEGRATED, HEALTH, ARTS, AND PE CURRICULUM
Special topics and comprehensive understanding of essential content in health education and physical education. Strategies for meaningfully integrating the visual arts, drama, music, dance, play, health education, and physical education across the natural sciences, social sciences, and humanities to enrich the learning process and socio-emotional outcomes.
Credits: 3

EDUC 449 - TEACH FOR EQUITY & SOCIAL JUSTICE
History, policies, and instructional practices in public education for children of nonWestern heritage. Local resources for multicultural education.
Credits: 3

EDUC 452 - TOPICAL WORKSHOP
Topics may include issues and trends in contemporary education.
Credits: 1-6

EDUC 459 - HISTORY OF SCHOOLING AND EDUCATION OF MARGINALIZED PEOPLES IN THE US
The institutional, social, and personal educational histories of populations in the US who have traditionally not been given voice through the state-sponsored schooling. Educational reforms that encourage and empower their descendents to be an active presence in the continuing reconstruction of US education.
Credits: 3
Course Notes: ICTS Basic Skills Test with min score Pass required.

EDUC 461 - ID & CHARACTER GIFTED STUDENTS
Credits: 3
Course Notes: ICTS Basic Skills Test with min score Pass required.

EDUC 462 - MTDS/MATERIALS TCH GIFTED STDS
Credits: 3
Prerequisites: ICTS Basic Skills with min score of P

EDUC 462A - MTDS/MATERIALS TCH GIFTED STDS
Credits: 1
Prerequisites: ICTS Basic Skills with min score of P

EDUC 469 - TECH'S ROLE ACAD SUCC STUDENTS
Credits: 3
Prerequisites: ICTS Basic Skills with min score of P

EDUC 469A - TECHNOLOGY TOOLS FOR LEARNING
Credits: 3
Prerequisites: ICTS Basic Skills with min score of P

EDUC 475 - INTERNSHIP IN HIGHER EDUCATION
Working under the direct supervision of a local leader in higher education, students develop the requisite knowledge, skills, and attitudes for coping with the challenges of work in student affairs, enrollment management or other areas of higher education. Projects are completed that build and demonstrate competencies with respect to leadership in one or more of these administrative areas.
Credits: 3-6
Course Notes: ICTS Basic Skills Test with min score Pass required.

EDUC 480 - INQUIRY IN THE CLASSROOM
Knowledge and practical experience in teacher research. Students extend reflective practice to conducting and writing research about their own teaching for the purpose of improving classroom practice.
Credits: 3
Course Notes: All Mtds courses, Student Tchg or concurr enroll. Requires, access to classroom for field-based research.

EDUC 490 - THESIS
Student defines, designs, and implements an original research project under faculty direction.
Credits: 3
Course Notes: ICTS Basic Skills Test with min score Pass required.

EDUC 495 - INDEPENDENT STUDY
Independent study under guidance of College of Education faculty member. Proposal must state purpose of study, problem, methods of approach, and evaluation.
Credits: 1-6
Course Notes: ICTS Basic Skills Test with min score Pass required.
EDUC: COUNSELING & HUMAN SERVICES (CHS)

CHS 400 - FOUNDATIONS OF THE COUNSELING PROFESSION
This course provides a comprehensive overview of the counseling profession. Students will explore historic, philosophical, and sociocultural trends in the field of counseling. Topics include: professional roles, functions, specialties, employment trends, preparation standards, credentialing, and ethical standards. An experiential portion of this course will introduce students to basic counseling skills.
Credits: 3

CHS 401 - PROFESSIONAL ORIENTATION AND ETHICAL PRACTICE IN COUNSELING
This course explores the legal, ethical and professional choices faced by practicing counselors and human service professionals. A wide variety of issues and topics will be covered, including program orientation and overview of academic and clinical requirements, academic integrity, ethical decision-making models, professional standards, counselor values and attitudes, counselor competence and supervision, client rights and confidentiality, dual relationships and ethical issues in research and testing.
Credits: 3

CHS 406 - STATISTICS & RESEARCH METHODS IN COUNSELING
Research methods, statistical analysis, needs assessment, and program evaluation. Methods of evaluating counseling process and program effectiveness; review of descriptive statistics; study of inferential statistics; legal and ethical considerations; and fundamentals of writing the research report.
Credits: 3

CHS 411 - SOCIAL & CULTURAL FOUNDATIONS
Sociological studies on cultural context of relationships, issues, and trends in a multicultural and diverse society; factors such as culture, ethnicity, nationality, age, gender, sexual orientation, mental and physical characteristics, education, family values, religious and spiritual values, socioeconomic status, and unique characteristics of individuals, couple, families, ethnic groups, and communities. Studies also include interpersonal communication among staff, schools, and community.
Credits: 3

CHS 413 - FOUNDATIONS OF COUNSELING THEORY AND PRACTICE
Philosophical foundations of counseling with concentrated study of counseling theories; historical and contemporary theories; diversity issues relevant to counseling theories and student's personal philosophical and theoretical beliefs.
Credits: 3

CHS 414 - SCHOOL COUNSELING, ENVIRONMENT, & CONSULTATION
The elementary and secondary school counselor's role. History, trends, professional identity, and cultural, legal, and ethical influences. ACA and ASCA ethical standards. Coordinating program components; program development; individual and group guidance; peer facilitation; and consultation.
Credits: 3

CHS 415 - CAREER DEVELOPMENT AND EDUCATIONAL PLANNING
This course will provide an introduction to career development and educational planning in K-12 settings and across the life span. Students will explore career theories and decision-making models, career assessments and technology, program planning, education tools, resources, strategies, post-secondary planning, and other life roles. The focus in this course will be on applying career counseling in a school context through clinical experiences and case studies.
Credits: 3

CHS 416 - HUMAN APPRAISAL
Individual and group approaches to assessment and evaluation. Topics include historical perspectives on assessment; standardized norm-referenced, criterion.
Credits: 3

CHS 417 - CAREER AND LIFE-STYLE PLANNING
Topics include career theories and decision-making models; assessment instruments and technology-based applications; processes, strategies, and resources available to the career counselor; program planning, organization, and administration; and interrelationships among work, family, and other life roles, including diversity and gender. Clinical observations and case studies consistent with student's career direction.
Credits: 3

CHS 418 - ORGANIZATION, ADMINISTRATION, & LEADERSHIP OF EFFECTIVE SCHOOL COUNSELING PROGRAMS
The skills necessary to planning and implementing effective school counseling programs. Topics include needs assessment, program planning, and program evaluation.
Credits: 3

CHS 419 - PSYCHOPATHOLOGY: DIAGNOSIS & TREATMENT PLANNING
Training in diagnosis and treatment methods for mental and emotional disorders. Skills in completing assessment interviews, establishing short- and long-range goals, and writing treatment plans.
Credits: 3

CHS 420 - MARRIAGE AND FAMILY COUNSELING
Preparation for counselors, educators, and other human service personnel to provide assistance to couples and families seeking marriage and family counseling. Methods and techniques of marriage and family counseling in didactic and experiential formats. Various theoretical perspectives.
Credits: 3

CHS 421 - THEORIES OF GROUP DYNAMICS AND COUNSELING
Theories of group counseling and principles of group dynamics. Historical developments, diversity issues, and contemporary research findings. Participation in an ongoing group required. Group guidance concepts as a significant component of the educational and prevention aspects of a counseling program.
Credits: 4

CHS 422 - TOPICS IN SUBSTANCE ABUSE AND ADDICTIVE DISORDERS
Theoretical concepts and practical techniques unique to the field of substance abuse counseling. Emphasis on the major areas of substance abuse and treatment as it relates to psychoactive drugs. Non- psychoactive drugs frequently misused; legal, recreational or social drugs frequently misused.
Credits: 3

CHS 425 - SEMINAR: TOPICS IN COUNSELING
Exploration of selected topics in contemporary counseling.
Credits: 3
CHS 462 - PREPRACTICUM II: ADVANCED COUNSELING SKILLS AND
TECHNIQUES
This course focuses on the development of advanced counseling
skills. Emphasis is placed upon the development of abilities to evaluate
self, client and other counselors in the counseling relationship, and
includes counseling process models, critical dimensions of helping, and
experiences designed to assist students in the formulation of a personal
philosophy system of counseling.
Credits: 3
Course Notes: Permission from the Program Director Required.
CHS 464 - CHILD & ADOLESCENT COUNSELING
The literature of child and adolescent counseling, including disorders and
delays that affect social, emotional, cognitive, and physical development.
How childhood difficulties are defined, diagnosed, and treated. The
influence of multiple and interacting events that shape adaptive and
maladaptive childhood development. Intervention strategies relevant to
childhood disorders and developmental needs.
Credits: 3
CHS 464Y - CHILD & ADOLESCENT COUNSELING CONT
Credits: 0
CHS 468 - HUMAN SEXUALITY
A lifespan developmental approach is applied to the study of human
sexuality. Medical and psychosocial aspects of sexual function are
addressed. Course topics include physical, psychological, and social
development; gender, gender-identity, sexual orientation; sex therapy
terminology and techniques; sexual expression; sexual dysfunction;
relationship issues; AIDS and other sexually transmitted infections;
sexual deviance, rape, and incest; and family dysfunction.
Credits: 3
CHS 470 - INTRO TO CC & SA
This course will provide a holistic understanding of student affairs
in higher education. Explores the history and development of college
counseling and student affairs, organizational and leadership theories
relevant in higher education settings, roles and relationships within and
across the various dimensions and offices of student affairs, current
trends and contextual factors in higher education, and approaches to
assessment.
Credits: 3
CHS 471 - CLG STDT DEV: THEORIES & TOP
The nature and needs of the diverse adolescents and adults enrolled
in higher education settings including theories of personal and career
development; theories of learning and identity development; human
behavior including an understanding of developmental crises, disability,
exceptional behavior, addictive behavior, psychopathology, and situational
and environmental factors affecting diverse individuals in higher
education settings; and strategies for facilitating optimum development
over the duration of enrollment and the life span.
Credits: 3
CHS 472 - STD SVCS/PRGMS PLCIES, PRACT
This course provides a comprehensive overview of the programs,
policies, and practices related to student services and the influences
that they have on students. It addresses both practical and theoretical
perspectives intended to build a sense of vision and passion to transform
the profession of the student affairs and leadership using multiple
data sources to create best practices and intervention techniques;
address diversity issues relevant to advising and counseling; understand
professional resources and standards and assessment considerations.
Credits: 3
CHS 473 - ENRLMNT MGMT IN AGE OF DISRUPT
The course provides an in-depth exploration of the components of
student affairs other than college counseling and advising that are
increasingly grouped under the heading of enrollment management;
student recruitment, marketing, admission, financial aid, student
activities and engagement, and retention. Explores these components in
relation to current and future issues in higher education, such as
globalism; financial pressures at the family, state, and federal levels;
diversity and equity challenges; and disruption created by technology.
Credits: 3
CHS 474 - HGHR ED LEGAL & FIN ISSUES
The course covers major elements of legal and financial issues in higher education, as well as the impact of budget activities on planning and operations within an institution. Financial management, risk assessment, planning and budgeting, and fundraising will be considered to examine how colleges allocate resources and consider trade-offs necessary to balance the budget and plan for unforeseen contingencies.
Credits: 3

CHS 495 - INDEPENDENT STUDY
Individual study under guidance of College of Education faculty member. Proposal must state purpose of study, problem, methods of approach, and evaluation.
Credits: 1-6

CHS 498 - INTERNSHIP SCHOOL COUNSEL
Continued supervised experience initiated in Practicum. Six hundred (600) hours of school counseling and school counseling related activities in a public school are required. Participation in weekly RU supervision sessions is also required. Case study approach, multicultural counseling, supervision, prevention, consultation, and special populations. See Practicum/Internship Handbook.
Credits: 3
Course Notes: Registration by permission of advisor.

CHS 498Y - INTERNSHIP SCHOOL CONTINUATION
This course is a continuation of CHS 498 School Counseling Internship for students who have completed two semesters of CHS 498 but have not completed the required number of professional school counseling contact hours.
Credits: 0
Prerequisites: CHS 498

CHS 499 - INTERNSHIP COMPLETION
Credits: 0

CHS 575 - INTERNSHIP IN HIGHER ED
Working under the direct supervision of a local leader in higher education, students develop the requisite knowledge, skills, and attitudes for coping with the challenges of work in student affairs, enrollment management, or other areas of higher education. Projects are completed that build and demonstrate competencies with respect to leadership in one or more of these administrative areas.
Credits: 3-6

CHS 599 - INTERNSHIP CLINICAL MENTAL HEALTH
Continued supervised experience initiated in Practicum. Six hundred (600) hours of clinical mental health counseling and clinical mental health counseling related activities in a clinical setting are required. Participation in weekly RU supervision sessions is also required. Case study approach, multicultural counseling, supervision, prevention, consultation, and special populations. See Practicum/Internship Handbook.
Credits: 3
Course Notes: Registration by permission advisor.

CHS 599Y - INTERNSHIP CONTINUATION
Continuation of CHS 599. Supervised clinical internship requiring 450 hours; all aspects of mental health counseling. Attendance in University seminars required; best practice for working with mood, personality, and psychotic disorders; consultation models; and supervision practice.
Credits: 0
\textbf{EDUC: DUAL LANGUAGE TEACHER LEADERSHIP (DLTL)}

\textbf{DLTL 400 - SPANISH LANGUAGE AND HISPANIC CULTURES FOR EDUCATORS}
In this course, participants travel to another country to expand their knowledge of academic Spanish, including grammar and content, while gaining a deeper understanding of Latino or Hispanic cultures. Students may visit dual language class settings, visit cultural landmarks, and/or engage in local activities, customs or traditions.
Credits: 1-3

\textbf{DLTL 410 - FOUNDATIONS OF BILINGUAL & DUAL LANGUAGE EDUCATION}
This course will give a comprehensive overview of historical, philosophical, theoretical, socio-cultural, and legislative foundations of bilingual and ESL education in the U.S. This course highlights dual language education, a form of bilingual education where all students learn content in two languages.
Credits: 3

\textbf{DLTL 425 - CRITICAL ISSUES AND INQUIRY IN BILINGUAL & DUAL LANGUAGE EDUCATION}
This course explores the history and research of the impact of migration, language policy, context and culture on individuals, groups, school, work, communities, and society. There is an emphasis on the teaching and learning of culturally and linguistically diverse populations in the U.S. particularly with those of Limited English Proficiency, and the professional development of their teachers.
Credits: 3

\textbf{DLTL 443 - ACADEMIC LANGUAGE DEVELOPMENT ACROSS THE CONTENT AREAS}
This course provides instructional strategies and curriculum for teaching students learning English as a second language. Strategies focus on integrating academic language development and content instruction throughout all grade levels.
Credits: 3

\textbf{DLTL 447 - BILITERACY PROGRAM DESIGN & DEVELOPMENT: READING, WRITING, & CROSS-LING METHODS FOR BILINGUAL TEACH}
This course will give a comprehensive overview of theories, techniques, standards, and principles of teaching English Language Learners (ELL) and Bilingual students in Dual Language (DL) Programs. This course covers the conditions for cultivating biliteracy through dual language program design and effective instructional strategies across the curriculum for DL students.
Credits: 3
Course Notes: There are 10 hours of related field experiences, or clinical practices associated with this course.

\textbf{DLTL 449 - EVALUATING BILINGUAL STUDENT LEARNING}
This course explores issues, challenges, and techniques in the assessment of bilingual students. Assessments include formal accountability measures from standardized tests as well as authentic measures such as portfolios, projects, student self-assessment, curriculum-based assessment, observation and teacher-created tools such as rubrics and checklists.
Credits: 3
Course Notes: There are 10 hours of related field experiences, or clinical practices associated with this course.

\textbf{DLTL 464 - EXPLORING TEACHER LEADERSHIP: FAMILY, SCHOOL, AND COMMUNITY PARTNERSHIPS}
Study of the characteristics of effective teacher leaders. Introduction to the roles and responsibilities of teacher leaders in the context of culturally and linguistically responsive schools and programs. Examination of how teacher leaders can improve teaching and learning in dual language programs.
Credits: 3

\textbf{DLTL 467 - SUPERVISION, EVALUATION, AND PROFESSIONAL DEVELOPMENT OF BILINGUAL EDUCATORS}
Exploration of the latest trends and best practices in teacher evaluation and supervision, with a focus on how teacher leaders positively impact school improvement of PreK-12 linguistically diverse students and dual language and bilingual teachers.
Credits: 3

\textbf{DLTL 470 - TEACHER LEADER PRACTICUM - METHODS & MATERIALS FOR TEACHING ACADEMIC SECOND LANGUAGE}
This course provides practical experience in planning, testing, curriculum development, classroom management, and teaching and learning with students and school personnel in a dual language classroom setting.
Credits: 3
Course Notes: There are 45 hours of related field experiences, or clinical practices associated with this course.

\textbf{DLTL 474 - MEASUREMENT, EVALUATION, AND SUSTAINABILITY OF EFFECTIVE PROGRAMS}
Introduction to program evaluation with attention to the assessment of language programs. Creation and selection of reliable and valid measures of programs, informed by a rich understanding of language development and assessment bias. Analysis of program evaluation data. Data interpretation for the purpose of determining program effectiveness, decision-making, and informing instruction.
Credits: 3

\textbf{DLTL 480 - INTERNSHIP: ADVOCACY FOR DUAL LANGUAGE EDUCATION}
This course explores methods of advocacy for bilingualism and dual language education in schools and the community in order to sustain effective bilingual programming.
Credits: 3
Course Notes: There are 45 hours of, clinical practices associated with this course.
EDUC: EARLY CHILDHOOD (ECHD)

ECHD 403 - INDIVIDUALIZED COACHING AND FIELD EXPERIENCES 1
Supervised observation and teaching in a local school or agency, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Emphasizes development of teaching skills through one-on-one instruction and coaching with a transition to small group instruction. Field experience provides a setting to implement required licensure assignments, assessments, hours and preparation for the edTPA.
Credits: 1
Course Notes: Open to COE majors only.

ECHD 405 - ASSESSMENT IN EARLY CHILDHOOD EDUCATION
Introduction to early childhood measurement and assessment techniques. Fundamentals of psychometric theory; structure and uses of standardized tests; skills for using alternative classroom assessment techniques for child study. Overview of identification and intervention strategies for children with special needs. Each student conducts a specific child study project using standardized and authentic measures.
Credits: 3

ECHD 410 - CHILD, FAMILY, COMMUNITY AND PHILOSOPHY OF EARLY CHILDHOOD EDUCATION
Family, schools, and community involvement in educational programs; history and philosophy of early childhood education; impact on child and family development and a child's academic development.
Credits: 3
Prerequisites: ECHD 405 and ECHD 428 and ECHD 441

ECHD 428 - INDIVIDUALIZED COACHING & FIELD EXPERIENCE 2
Supervised observation and teaching in a local school or agency, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Emphasizes development of teaching skills through one-on-one instruction and coaching with a transition to small group instruction. Field experience provides a setting to implement required licensure assignments, assessments, hours and preparation for the edTPA.
Credits: 1
Prerequisites: ECHD 403

ECHD 432 - PREPRI:SCI,MATH, SOC STUD ECE
Constructivist research and theories in teaching science, math, and social studies to children from infancy through kindergarten.
Credits: 3
Prerequisites: ECHD 405 and ECHD 434 and ECHD 437 and EDUC 401
Course Notes: Advisor consent required. ITCS Basic Skills Test with a min, score of Pass required.

ECHD 433 - PRIMARY MATH, SCIENCE, & SOCIAL STUDIES
Developmental theory and research in each of three curriculum areas. Foundation for selection and design of curriculum materials and activities appropriate for children in kindergarten and primary grades. Requires 25 clock hours of field experience.
Credits: 3
Course Notes: 25 clock hrs field exper., ICTS Basic Skills Test with min score Pass required.

ECHD 434 - LANGUAGE DEVELOPMENT
Language development from infants through primary-aged children. Topics include speech and language processes for communication, language development stages, theories of language acquisition, assessment of language development, and activities to foster language development. Attention to linguistically diverse populations as well as to children who develop differently from the norm.
Credits: 3
Course Notes: COE majors only. Advisor consent.

ECHD 436 - STRATEGIES AND MATERIALS FOR TEACHING EMERGENT LITERACY & SOCIAL STUDIES: PRE-KINDERGARTEN
This course is designed to give students a framework from which to develop appropriate and effective language and literacy experiences for prekindergarten children. Children's literature will provide a framework for prekindergarten language arts instruction.
Credits: 3
Prerequisites: ECHD 403 and ECHD 434 and ECHD 438
Course Notes: Cross-listed with ECHD 336

ECHD 438 - EARLY CHILDHOOD CURRICULUM & ASSESSMENT: PRESCHOOL
Analysis of content, materials, and organization for instructing children in infant, toddler, preschool, and kindergarten programs.
Credits: 3
Course Notes: COE majors only. Advisor approval required., Lab/Course Fee $110.00

ECHD 440 - MATH IN EARLY CHILDHOOD EDUCATION
The course covers developmental theory and research in mathematics and science that underlie Common Core and early learning standards. Candidates will demonstrate knowledge of curriculum objectives and the selection and design of curriculum materials and activities appropriate for children in preschool, kindergarten and primary grades.
Credits: 3

ECHD 448 - IND. COACHING & FIELD EXP. 3
Supervised observation and teaching in a local school or agency, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Emphasizes development of teaching skills through small and large group coaching and instruction. Field experience provides a setting to undertake required licensure assignments, assessments, hours and preparation for the edTPA.
Credits: 1
Prerequisites: ECHD 405 and ECHD 428 and ECHD 436

ECHD 470 - INFANT AND TODDLER CURRICULUM & ASSESSMENT: TEACHING & LEARNING
Students design and implement curriculum plans, and assess individual and group progress in infant and toddler settings. Students learn and demonstrate their understanding of a safe environment, multiculturalism, and health related practices.
Credits: 3
ECHD 474 - STUDENT TEACHING SEMINAR: EARLY CHILDHOOD
EDUCATION
Supervised observation and teaching in preprimary and primary settings.
Students design and implement curriculum plans and assess individual
child and group progress; observe role of family and community in child's
education. Seminar discussions on educational setting and analysis of
student's own role in classroom and community, teaching strategies, and
individual problems.
Credits: 6
Course Notes: Written advisor consent required., ICTS Basic Skills and
Early Childhood Content Test with, a min score of Pass required., Course
fee: $300 edTPA test fee

ECHD 475 - PRACTICUM: INFANT, TOD, PRES
Supervised observation and teaching in infant and toddler settings.
Students design and implement curriculum plans, assess individual and
group progress. Students demonstrate their understanding of the role of
family and community in early childhood education. Seminar discussions
focus on educational setting, teaching strategies, individual problems
and an analysis of student's own role in classroom and community.
Credits: 3
Course Notes: Written advisor consent., ICTS Basic Skills Test with min
grade Pass required.

ECHD 482 - EARLY CHILDHOOD SPECIAL EDUCATION METHODS
Skills necessary for working with young children with special needs.
Laws, assessment, family focus, intervention principles, appropriate
techniques, suitable materials, and inclusion of children with special
needs in early childhood settings; the development and implementation
of IFSPs and IEPs.
Credits: 3

ECHD 489 - TOPICAL WORKSHOP
Topics of special interest to early childhood educators offered in a
workshop format. Offered as needed.
Credits: 1-6
Course Notes: ICTS Basic Skills Test with min grade Pass required.

ECHD 495 - INDEPENDENT STUDY
Independent study conducted under guidance of College of Education
faculty member. Proposal must state purpose of study, problem, methods
of approach, and evaluation.
Credits: 1-6
Course Notes: ICTS Basic Skills Test with min grade Pass required.
EDUC: ED LEADERSHIP (ELOC)

ELOC 412 - SCHOOL, FAMILY, AND COMMUNITY RELATIONS
This course will enhance the understanding of the processes and structure by which college and universities are governed. Theoretical perspectives on the unique character of higher education organizations and norms of practice will be considered to illuminate the nature of shared leadership in colleges and universities. Special attention will be paid to academic leadership in the development and approval of curriculum design, implementation, and assessment.
Credits: 3
Course Notes: Admission to Educational Leadership Program.

ELOC 436 - THE DYNAMICS OF MAINTAINING AND IMPROVING CULTURE
Educational leader's role as mediator, negotiator, problem solver, shared decision maker, and strategist in creating a positive organizational culture. Emphasis on the leader's role as change agent and interpreter of policy to the community and the public. Strategies for creating a culture among all stakeholders that promotes student learning and organizational improvement. Topics include organizational culture, organizational theory and culture, educational planning, and change strategies.
Credits: 3

ELOC 690 - DISSERTATION
Research and writing of dissertation under individual direction. Student defines, designs, and implements original research project. Minimum of three credit hours required upon passage of the dissertation proposal and one credit hour thereafter until student completes the final defense of the dissertation.
Credits: 1-6
Course Notes: Admission to candidacy for the Ed.D. in Educational Leadership.

ELOC 690Y - DISSERTATION CONTINUATION
Credits: 0

ELOC 690Z - DISSERTATION COMPLETION
Credits: 0
EDUC: ELEMENTARY EDUCATION (ELED)

ELED 400 - CURRICULUM, INSTRUCTION, AND ASSESSMENT
Comprehensive course in the design of curriculum, instruction and assessment. Developmentally appropriate practices incorporate curriculum, instruction and assessment. Curriculum models, instructional design including lesson and unit planning and development of assessment tools for diagnostic, formative and summative assessments.
Credits: 3
Course Notes: Open to COE majors only.

ELED 401 - FOUNDATIONS & COMMUNITY
The role of education in contemporary US society; the teaching profession and the standards that define it; the philosophical and historical context of contemporary education in the US; and the conceptual framework of Roosevelt University's College of Education and its function as an organizing principle for classrooms. Provides a foundation for all other course work in the elementary education program.
Credits: 3

ELED 403 - IND. COACH & FIELD EXP I
Supervised observation and teaching in a local elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Orientation courses, content, and pedagogical practice. Emphasizes development of teaching skills through one-on-one instruction with a transition to small group instruction. Field experience provides a setting to implement other Orientation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Course Notes: Open to COE majors only.

ELED 428 - IND. COACHING & FIELD EXP. 2
Supervised observation and teaching in a local elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Implementation courses, content, and pedagogical practice. Emphasizes development of teaching skills through small group instruction. Field experience provides a setting to undertake other Implementation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Prerequisites: EDUC 402 and ELED 400 and ELED 401 and ELED 403

ELED 441 - METHODS OF TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL
This course provides strategies and curriculum for teaching mathematics and science in grades K-8 and models and examines an investigative approach to elementary mathematics instruction that is purposeful, inquiry-based, meaningful, and integrated with other content areas. Strategies focus on communication, connections, mathematical representations, problem solving, logical reasoning, and applications to life situations.
Credits: 3
Prerequisites: EDUC 402 and SPED 412 and READ 420 and READ 432 and ELED 400 and ELED 401 and ELED 402 and ELED 403 and ELED 428
Course Notes: Cross-listed with SPED 441

ELED 446 - METHODS OF TEACHING SCIENCE IN THE ELEMENTARY SCHOOL
This course provides strategies and curriculum for teaching natural, physical, earth, and space sciences in grades 1-6 and models and examines an investigative approach to elementary science instruction that is purposeful, inquiry-based, meaningful, and integrated with other content areas. Strategies focus on communication, connections, scientific demonstrations, problem solving, scientific reasoning, and applications to self and life situations.
Credits: 3
Prerequisites: (ICTS-TAP-P/F/I with min score of P or (ACT Composite with min score of 19 and ACT Combined English/Writing with min score of 22) or SAT Writing with min score of 450) and EDUC 402 and SPED 419 and READ 420 and READ 432 and ELED 400 and ELED 402 and ELED 403 and ELED 428
Course Notes: Admission to NDTA Required

ELED 447 - METHODS OF TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL
This course provides strategies and curriculum for teaching social studies in grades 1-6, and models and examines an interdisciplinary and multicultural approach to history, government, geography, civics, and other social studies areas. Strategies focus on assessment, communication, inquiry- and project-based learning, building connections to diverse learners, global relationships, and applications to self and societal issues and problems.
Credits: 3
Prerequisites: (ICTS-TAP-P/F/I with min score of P or (ACT Composite with min score of 19 and ACT Combined English/Writing with min score of 22) or SAT Writing with min score of 450) and EDUC 402 and SPED 419 and READ 420 and READ 432 and ELED 400 and ELED 401 and ELED 402 and ELED 403 and ELED 428
Course Notes: Admission to NDTA Required

ELED 448 - IND. COACH & FIELD EXP III
Supervised observation and teaching in a local elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Innovation courses, content, and pedagogical practice. Emphasizes development of teaching skills through small group instruction. Field experience provides a setting to undertake other Innovation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Prerequisites: READ 420 and ELED 441 and ELED 428

ELED 470 - STUDENT TEACHING AND SEMINAR IN THE ELEMENTARY SCHOOL
Open only to graduate students in elementary school teaching.
Credits: 6
Course Notes: All required coursework, advisor consent. ICTS Content Test with min, score Pass required. Registration completed by Office of Field Placement., Course fee: $300 edTPA test fee

ELED 495 - INDEPENDENT STUDY
Credits: 1-6
Course Notes: ICTS Basic skills test with min score pass required.
### EDUC: LANGUAGE & LITERACY (READ)

#### READ 420 - TEACHING READING IN K-8 EDUCATION
Credits: 3
Prerequisites: (ELED 400 or SPED 400) and (ELED 401 or SPED 401) and (ELED 403 or SPED 403)

#### READ 423 - INTRODUCTION TO SPOKEN WORD PEDAGOGY
Provides an introduction to and overview of Spoken Word as pedagogy and its practical applications in the classroom.
Credits: 3

#### READ 424 - SEMINAR SPOKEN WORD EDUCATION I
Within the framework of Spoken Word education, this course develops advanced poetry writing skills and explores methods of effective poetry integration into classroom and co-curricular activities. Introduces and explores poets of color, and emphasizes the role of expressive writing and social-emotional learning in Spoken Word education.
Credits: 3

#### READ 425 - SEMINAR SPOKEN WORD EDUCATION II
This course is the third in a sequence of seminars that advance poetry writing competencies to the level of professional writing and publication. Students will learn program planning and develop the leadership skills necessary to successfully implement Spoken Word programs in a school setting.
Credits: 3

#### READ 432 - INTENSIVE ADVANCED STRATEGIES/MATERIALS FOR READING, WRITING, AND LANGUAGE
Strategies and materials in word recognition, word analysis, comprehension, and vocabulary development to meet specific instructional needs of students. 25 clock hours clinical experience.
Credits: 3

#### READ 433 - STRAT/MAT READ & SOC STUD K-8
Strategies and materials in word recognition, word analysis, comprehension, and vocabulary development to meet specific instructional need of students in the content area of literacy and social studies.
Credits: 3

#### READ 434 - LITERATURE FOR CHILDREN AND ADOLESCENTS
Advanced course in literature for children and adolescents including criteria for evaluating and analyzing literature. Literature as reflecting literacy heritage of America's multicultural and multiethnic society. Integrating literature throughout curriculum.
Credits: 3

#### READ 435 - HOLISTIC APPROACHES TO TEACHING LITERACY TO STUDENTS WITH LEARNING DISABILITIES
Selected theories of literacy and learning disabilities; emphasis on identification and assessment of learning disabled, reading problems, and strategies and techniques for working with learning disabled K-12. 25 clock hours clinical experience. 25 clinical coaching hours required.
Credits: 3

#### READ 436 - FOUNDATIONS OF LANGUAGE AND LITERACY INSTRUCTION
Theories and research in literacy including historical perspectives of developments in field, theories, and models. Focus on relationships between theory and instructional practice.
Credits: 3

#### READ 437 - PRINCIPLES AND PRACTICES IN LANGUAGE AND LITERACY ASSESSMENT
Formal and informal assessment tools used in accessing literacy and language-related abilities. Emphasis on use and interpretation of diagnostic measures and models of continuous assessment. 25 clock hours clinical experience. 25 clinical coaching hours required.
Credits: 3

#### READ 438 - SUPERVISION OF PERSONNEL AND CURRICULUM DEVELOPMENT IN LANGUAGE AND LITERACY
Elementary and secondary school supervision and curriculum development in literacy. Selected curricula and planning of effective reading programs; functions and duties of reading teachers; strategies for supervision of personnel and staff development; application of research, experimentation and evaluation in curriculum study. 20 clinical coaching hours required.
Credits: 3

#### READ 439 - YOUNG ADULT LITERATURE
Intensive study of critically acclaimed and popular texts written for teen audiences; the historical emergence of the genre; multiple readings through various critical lenses; methods of integrating young adult literature into middle school and high school curricula.
Credits: 3

#### READ 452 - TOPICAL WORKSHOP
Topics of special interest to students of language and literacy, offered in a workshop format. (1-6)
Credits: 6

#### READ 458 - LINGUISTICS FOR ESL TEACHERS
This course will focus on theory and research in learning English as a Second Language (ESL). Students will gain a foundation for understanding linguistics ad learning theory specifically applied to ESL, bilingualism, and dual language education. The basics of linguistics, including phonology, syntax, morphology, semantics, and pragmatics will be addressed. In addition, much emphasis will be given to the area of applied linguistics (language in use) as it relates to the language development of native and non-native speakers of English. Links will be made to PreK-12th grade classroom settings, linguistically and culturally diverse learners, and professional standards.
Credits: 3

#### READ 463 - TEACHING LANGUAGE AND LITERACY IN THE CONTENT AREAS
Strategies and materials for teaching elementary and secondary students to read and write in content areas. Development of concepts and vocabulary, comprehension and composition, and study skills. Focus on integrating reading and writing across the curriculum.
Credits: 3

#### READ 466 - FOUNDATIONS OF BILINGUAL AND ESL EDUCATION
This course will give a comprehensive overview of historical, philosophical, theoretical, socio-cultural, and legislative foundations of bilingual and ESL education in the United States. Comparison and effects of different methods and models of bilingual and ESL education will be explored, with an emphasis on Dual Language education. Students will examine current issues in multilingual schools with an emphasis on content and language integrated instruction.
Credits: 3
READ 470 - CLINICAL PRACTICUM IN LITERACY
Supervised remediation of reading disability cases in grades K-12. Read 470 provides 200 clinical hours. Enrollment limited to majors in reading. Credits: 6
Course Notes: Reading majors only.

READ 473 - ASSESSMENT OF BILINGUAL STUDENTS
This course is a comprehensive overview of issues, challenges, and techniques in the assessment of bilingual students. It covers the full range of bilingual assessment from standardized tests to alternative assessment methodology. The course will emphasize authentic assessment techniques in the classroom including portfolios, performances, projects, self-assessment, observation, and teacher-made assessment tools such as rubrics and checklists. Credits: 3

READ 474 - METHODS AND MATERIALS FOR TEACHING BILINGUAL STUDENTS
This course explores theories, techniques, and programs for teaching bilingual students. Students will learn about national, state, and local policies and programs for educating bilingual students, including English language learners. This course highlights dual language education, a form of bilingual education where all students learn content in two languages. Strategies focus on integrating language development and content instruction throughout all grade levels. Credits: 3

READ 475 - METHODS AND MATERIALS FOR TEACHING ESL
This course provides strategies and resources for teaching students learning English as a second language. Strategies focus on integrating language development and content instruction throughout all grade levels. This course references language learning policy and programming, and methods of assessment and evaluation. Credits: 3

READ 476 - CROSS-CULTURAL STUDIES FOR TEACHING LIMITED ENGLISH STUDENTS
Impact of culture on individuals, groups, school, work, communities, and society. Ecological perspective in conceptualizing and understanding culture and context; focus on individuals with limited English proficiency in the US. Credits: 3

READ 480 - MTDS INQUIRY IN THE CLASSROOM
Knowledge and practical experience in teacher research. Students extend reflective practice to conducting and writing research about their own teaching for the purpose of improving classroom practice. Credits: 3
Course Notes: Requires access to a classroom for field-based research.

READ 495 - INDEPENDENT STUDY
Independent study conducted under guidance of College of Education faculty member. Proposal must state purpose of study, problem, methods of approach, and evaluation. (1-6) Credits: 1-6
EDUC: SECONDARY EDUCATION (SEED)

SEED 401 - FOUNDATIONS & COMMUNITIES IN ADOLESCENT EDUCATION
Introduction to contemporary policies and practices in middle and high schools in the US, grades 6 through 12. Philosophic, historical, political, and social contexts. Topics include curriculum; engaged, interactive instructional methods; approaches to assessment; building a learning community; reflection on the craft of teaching. Thirty hours of field experience with tutoring and observation in three different school environments.
Credits: 3
Course Notes: Adv. consent

SEED 403 - INSTRUCTIONAL COACHING 1
Provides coaching and support for the development of effective and culturally responsive instruction through microteaching and other practices. Requires 30-50 hours of field experiences working with diverse learners and more than one ethnic/cultural group in a high school setting.
Credits: 3
Prerequisites: SEED 401 (may be taken concurrently)
Course Notes: Must be taken concurrently with SEED 401

SEED 421 - METHODS OF TEACHING SECONDARY BUSINESS EDUCATION
Curriculum, instruction, standards, and assessment for business, economics, accounting, and keyboarding. Based on National Business Education Association standards for the design of student-centered programs, including courses, units, activities, and learning experiences.
Focus on grades 6-12.
Credits: 3
Course Notes: or concurrent. Advisor consent, ICTS Basic skills test with min score pass required.

SEED 422 - METHODS OF TEACHING SCIENCE TO ADOLESCENTS
Science curriculum and instruction, standards, and assessment. Based on National Science Teachers Association standards for the design of student-centered programs, including courses, units, activities, and learning experiences.
Focus on grades 6-12.
Credits: 3
Course Notes: or concurrent or Advisor consent, ICTS Basic skills test with min score pass required.

SEED 423 - METHODS OF TEACHING MATH TO ADOLESCENTS
Mathematics curriculum and instruction, standards, and assessment. Based on National Council of Teachers of Mathematics standards for the design of student-centered programs, including courses, units, activities, and learning experiences.
Focus on grades 6-12.
Credits: 3

SEED 426 - METHODS OF TEACHING SOCIAL STUDIES TO ADOLESCENTS
Experience and practice in social studies curriculum theory, research-based instruction, standards, and assessment. Based on standards of the National Council for the Social Studies for the design of student-centered programs, including courses, units, activities, and learning experiences.
Focus on grades 6-12.
Credits: 3

SEED 427 - METHODS OF TEACHING SECONDARY ENGLISH
Experience and practice in English language arts curriculum theory, research-based instruction, standards, and assessment. Based on standards of the National Council of Teachers of English for the design of student-centered programs, including courses, units, activities, and learning experiences. Focus on grades 6-12.
Credits: 3

SEED 450 - FIELD EXPERIENCE IN SECONDARY EDUCATION
Observation and classroom experience in education settings. In-depth lesson and unit planning consistent with state learning standards and implementation with attention to engaged, interactive instruction; diverse assessment methods; and differentiation of teaching to attend to diverse student learning styles and needs. Various classroom management approaches within the context of reflective practice. 45-60 hours field experience required based on prior course work.
Credits: 4

SEED 453 - INSTRUCTIONAL COACHING 2
Provides coaching and support for the development of effective and culturally responsive instruction through microteaching and other practices. Requires 30-50 hours of field experiences working with diverse learners and more than one ethnic/cultural group in a high school setting.
Credits: 3
Prerequisites: SEED 450 (may be taken concurrently) and SEED 401 and SEED 403
Course Notes: Must be taken concurrently with SEED 450

SEED 455 - INTEGRATED CONTENT & LEARNING MID CHL
The creation of learning communities attentive to reading and writing strategies and the needs of adolescents, families, and communities; addresses health and personal support for the young adolescent as well as interdisciplinary teaching and learning; approaches to assessment and classroom technology to support student learning and reflective practice.
Credits: 3

SEED 456 - FIELD EXPERIENCES IN MIDDLE SCHOOL EDUCATION
Observation and classroom experience in middle childhood settings. In-depth lesson and unit development and practice teaching using multiple methods and assessments. Focus on various classroom management approaches within the context of reflective practice. Forty five clock hours of field experience.
Credits: 3
Course Notes: Consent of advisor 45 hours, of field experiences required., Lab/Course Fee $110.00.

SEED 460 - STUDENT TEACHING SEMINAR: SECONDARY EDUCATION
Supervised observation and teaching in local junior or senior high school; seminar discussions of observational records, teaching strategies, evaluation, and individual problems. Emphasis on independence and skills through self-analysis techniques.
Credits: 3-6
Course Notes: Instr./Advisor consent, ICTS Basic skills test with min score pass required., Course fee: $300 edTPA test fee
EDUC: SPECIAL EDUCATION (SPED)

SPED 400 - CURRICULUM, INSTRUCTION, & ASSESSMENT
Comprehensive course in the design of curriculum, instruction and assessment. Developmentally appropriate practices in curriculum, instruction and assessment. Curriculum models, instructional design including lesson and unit planning and development of assessment tools for diagnostic, formative and summative assessments.
Credits: 3
Course Notes: Open to COE majors only.

SPED 401 - FOUNDATIONS & COMMUNITY
The role of education in contemporary US society; the teaching profession and the standards that define it; the philosophical and historical context of contemporary education in the US; and the conceptual framework of Roosevelt University's College of Education and its function as an organizing principle for classrooms. Provides a foundation for all other course work in the elementary education program.
Credits: 3
Course Notes: Open to COE majors only.

SPED 402 - CHILD DEVELOPMENT, LEARNING, AND MOTIVATION
Comprehensive study of child growth, development, learning, and motivation from conception through adolescence. Emphasis on early stages as foundation for later physical, social, emotional, and cognitive development. Theories and current research focusing on development, learning, motivation and behavior management. Application of concepts to the development of effective and engaging classroom communities.
Credits: 3

SPED 403 - IND. COACH & FIELD EXP I
Supervised observation and teaching in a local elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Orientation courses, content, and pedagogical practice. Emphasizes development of teaching skills through one-on-one instruction with a transition to small group instruction. Field experience provides a setting to implement other Orientation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Prerequisites: SPED 402 and SPED 400 and SPED 403
Course Notes: Admission to NDTA Required

SPED 440 - ASSESSMENT IN SPECIAL EDUCATION
Test selection, classification, and placement decisions. Use of various techniques for evaluation of the progress of individuals in special education at all levels. Laboratory experience in administering, scoring, interpreting, and reporting test results.
Credits: 3

SPED 441 - METHODS OF TEACHING MATH IN ELEMENTARY SCHOOL
This course provides strategies and curriculum for teaching mathematics in grades 1–6 and models and examines an investigative approach to elementary mathematics instruction that is purposeful, inquiry-based, meaningful, and integrated with other content areas. Strategies focus on communication, connections, mathematical representations, problem solving, logical reasoning, and applications to life situations.
Credits: 3
Prerequisites: SPED 400 (may be taken concurrently) and SPED 401 (may be taken concurrently) and SPED 403 (may be taken concurrently)

SPED 442 - CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON COGNITION
Curriculum, major objectives of instruction, and specific methods and materials for teaching students with cognitive disabilities. Preparation of the Individualized Education Program (IEP) and transition planning; evaluation techniques; recent research.
Credits: 4

SPED 443 - CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON BEHAVIOR
Functional assessment of behavior and the development of intervention plans to address behavior problems. Alternative resources, techniques of classroom management, and application of recent research.
Credits: 4

SPED 444 - CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON PHYSICAL HEALTH
Educational considerations for students with physical disabilities and other health impairments. Emphasis on technology, assistive strategies, the principle of partial participation, and curriculum modification and adaptation. Recent research in disabilities that limit mobility, fine and gross motor skills, and independent living.
Credits: 4

SPED 445 - CHARACTERISTICS AND METHODS OF TEACHING STUDENTS WITH DISABILITIES: FOCUS ON LEARNING
Credits: 4
SPED 448 - IND COACH & FIELD EXP 3
Supervised observation and teaching in a local special education setting, seminar discussions concerning observational records, teaching strategies, evaluation, and individual issues; emphasis on development of independence and skills through self-analysis techniques. Provides a laboratory for Innovation courses, content, and pedagogical practice. Emphasizes development of teaching skills through small and large group instruction. Field experience provides a setting to undertake other Innovation course assignments, assessments, and preparation for the edTPA.
Credits: 1
Prerequisites: SPED 441 (may be taken concurrently) and SPED 443

SPED 450 - TECHNOLOGY FOR SPECIAL EDUCATION
The use of instructional and assistive technology as they relate to teaching, learning, and successful integration of people with disabilities. Exploration of hardware and software developed specifically for people with disabilities, as well as hardware and software that can be adapted for use with people with disabilities.
Credits: 1-3

SPED 452 - VOCATIONAL SERVICES AND TRANSITION PLANNING IN SPECIAL EDUCATION
This course is a comprehensive overview of career and transition planning for the full spectrum of disabled individuals. It will fulfill the State of Illinois - 'Vocational Programming for Handicapped' requirements for Pre-vocational Coordinator Approval and Teacher/coordinator Approval, and it will support participants in developing Transition specialist competencies. As a result of this class, students should be able to identify and participate in the objectives as identified by the Council of Exceptional Children, Division on Career Development and Transition as desirable competencies for secondary special educators.
Credits: 3
Course Notes: Prereq plus Special Education Certification or instructor, approval.

SPED 461 - INTERNSHIP IN SPECIAL EDUCATION
Five-week internship in special education setting; hands-on work with students with special needs. Precedes student teaching; provides intensive experience across the spectrum of educational placements and age levels. Students participate in planning and implementing individual student, small group, and whole class lessons. Focus on IEP goal integration into planning. Weekly seminar sessions focus on the roles and responsibilities of the special educator.
Credits: 2
Course Notes: All profess. courses completed, ICTS Content Test with min score pass required., Concurrent enroll. with SPED 470 required.
Office of Field, Placement will register students for this course.

SPED 466 - STUD TEACH:SPED
Credits: 4

SPED 470 - STUDENT TEACH SEM: SPED
Supervised observation and teaching in local K-12 school; seminar discussions concerning observational records, teaching strategies, evaluation, and individual problems. Ten-week experience in a special education setting. Emphasis on development of independence and skills. This course follows internship and provides intensive experience across the spectrum of educational placements and age levels.
Credits: 4
Course Notes: All profess. courses completed., ICTS Content Test wht min scoe pass required. Concurrent, enrollment with SPED 461 required.
Office of Field, Placement will register students for this course., Course fee: $300 edTPA test fee

SPED 480 - INQUIRY IN THE CLASSROOM
Knowledge and practical experience in teacher research. Students extend reflective practice to conducting and writing research about their own teaching for the purpose of improving classroom practice.
Credits: 3
Course Notes: Student teaching or concurrent enroll., ICTS Basic skills test with min score pass required., Requires access to classroom for field-based research.

SPED 482 - EARLY CHILD SPEC ED METHODS
Skills necessary for working with young children with special needs. Laws, assessment, family focus, and inclusion of children with special needs in early childhood settings; the development and implementation of IFSPs and IEPs. Requires 20 hours of field experience.
Credits: 3
Course Notes: or advisor consent only., ICTS Basic skills test with min score pass required.

SPED 495 - INDEPENDENT STUDY
Credits: 1-3
ENGLISH (ENG)

ENG 414 - THE RISE OF THE NOVEL
Credits: 3

ENG 415 - TOPICS IN BRITISH LITERATURE
Advanced literature seminars that focus on a period or topic in British literature. Recent topics have included 'Non-Shakespearian Early Modern British Drama,' 'Crime and Victorian Literature,' 'The Rise of the English Novel.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Course Notes: Grad. standing.

ENG 447 - ADVANCED STUDIES IN LITERARY THEME
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topic, such as 'Gender and Sexuality in Asian-American Literature' and 'Environmental Literature & Rhetoric.'
Credits: 3
Course Notes: Grad. standing.

ENG 449 - ADVANCED LITERATURE SEMINAR
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topic, such as 'Canadian Literature.'
Credits: 3

ENG 451 - ADVANCED STUDIES IN LITERARY GENRE
Advanced literature seminars that concentrate on the properties of genre and the ways in which genre conditions the reading experience, on topics such as Sexuality and Literature.
Credits: 3
Course Notes: Grad. standing.

ENG 447 - ADVANCED STUDIES IN LITERARY THEME
Advanced literature seminar dealing with primary texts and literary theory focused on a specific, unifying topic, such as 'Gender and Sexuality in Asian-American Literature' and 'Environmental Literature & Rhetoric.'
Credits: 3
Course Notes: Grad. standing.

ENG 452 - SPECIAL TOPICS IN A SINGLE AUTHOR
Advanced literature seminar focused on late 20th- and early 21st century fiction, with special consideration given to works’ engagement with contemporary social issues.
Credits: 3

ENG 453 - SPECIAL TOPICS IN CREATIVE WRITING
Advanced literature seminar focused on critical and aesthetic analysis, with a focus on considerations of craft. Recent topics have included 'Arealisms' and Don Delillo’s America.
Credits: 3
Course Notes: MFA standing required.

ENG 454 - THE RISE OF THE NOVEL
Credits: 3

ENG 455 - TOPICS IN BRITISH LITERATURE
Advanced literature seminars that focus on a period or topic in British literature. Recent topics have included 'Non-Shakespearian Early Modern British Drama,' 'Crime and Victorian Literature,' 'The Rise of the English Novel.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3
Course Notes: Grad. standing.

ENG 462 - SPECIAL TOPICS IN A SINGLE AUTHOR
Advanced literature seminars that look closely at the work and career of a single author in relationships to cultural history or other relevant touchstones. Recent topics include 'The Fiction of Mark Twain,' 'Shakespeare and Film,' 'Faulkner, Fitzgerald, and Stein.' For more details, please click the highlighted CRN number for this course on the specific term schedule.
Credits: 3

ENG 463 - SPECIAL TOPICS IN A SINGLE AUTHOR
Advanced literature seminars that focus on a specific, unifying topic, such as Sexuality and Literature.
Credits: 3
Course Notes: Grad. standing.

ENG 464 - TEACHING WRITING: THEORY & PRACTICE
This course explores the theory and practice of writing instruction in secondary and post-secondary educational settings, with a special emphasis on the political implications of the choices that teachers make in the writing classroom. Students will explore pedagogies, interview writing teachers, develop assignments, and conduct independent research toward the creation of a personal teaching philosophy.
Credits: 3
Course Notes: Counts toward Credential in Teaching of Writing.

ENG 467 - TEACHING WRITING: THEORY & PRACTICE
This course explores the theory and practice of writing instruction in secondary and post-secondary educational settings, with a special emphasis on the political implications of the choices that teachers make in the writing classroom. Students will explore pedagogies, interview writing teachers, develop assignments, and conduct independent research toward the creation of a personal teaching philosophy.
Credits: 3
Course Notes: Counts toward Credential in Teaching of Writing.

ENG 484 - INTERNSHIPS IN THE COMMUNITY
Student uses writing or teaching skills as an apprentice outside the University. Placements may include local arts organizations, book and journal publishers, not-for-profit organizations, corporations, museums, or youth and senior centers. Student receives on-site supervision and instruction and also works closely with a faculty advisor.
Credits: 3

ENG 485 - INTERNSHIP IN TEACHING LITERATURE
Student is apprenticed to an experienced teacher in an English literature course and participates in class planning and procedures. Construction of syllabus, lesson plans, lectures, writing assignments, and tests supplemented by classroom experience in facilitating discussions and supervising student progress.
Credits: 3
Course Notes: Program approval
ENG 486 - INTERNSHIP IN TEACHING CREATIVE WRITING
Student is apprenticed to an experienced teacher in Introduction to Creative Writing and participates in most aspects of class planning and procedure. Construction of syllabus, lesson plans, lectures, and writing assignments as well as experience in leading critique of student writing and discussion of works by established authors. Pedagogical philosophies governing the teaching of creativity in the college classroom and at the primary and secondary levels.
Credits: 3
Course Notes: Program approval

ENG 487 - INTERNSHIP IN TEACHING COMPOSITION
Student is apprenticed to an experienced teacher in a composition course and participates in class planning and procedure. Readings in composition theory supplemented by classroom observation and tutoring under supervision of director of composition.
Credits: 3
Course Notes: Program approval

ENG 490 - THESIS
Credits: 3-6

ENG 495 - INDEPENDENT STUDY
Intensive study and original scholarship culminating in a written project. Topic to be developed by student in consultation with appropriate faculty member.
Credits: 1-6
FINANCE (FIN)

FIN 408 - FINANCE FOR DECISION MAKERS
Financing problems facing business; general principles of accounting and economics applied to solution of these problems. Time value of money applied to the pricing of securities, firms' capital budgeting decisions, financial statement analysis, forecasting immediate cash flow problems, financing of the firm, and consequences for the firm's decision-making process.
Credits: 3
Prerequisites: ACCT 405 and (MGMT 403 or ECON 436 or PSYC 407)
Course Notes: Finance module

FIN 454 - INTERNATIONAL FINANCIAL ANALYSIS
The importance of international financial markets, international organizations, and global macroeconomic developments in the financial management of multinational businesses. Emphasis on foreign currency and interest rate arbitrage, exchange rate determination, and foreign exchange risk management.
Credits: 3
Prerequisites: FIN 408

FIN 482 - THEORY & CASES FINANCIAL MANAGEMENT
Advanced course in corporate finance. Topics include capital budgeting, capital structure, management of working capital, and special topics chosen by the instructor.
Credits: 3
Prerequisites: FIN 408

FIN 483 - CAPITAL MARKETS & FINANCIAL INSTITUTIONS
Topics in money and banking including monetary theories and the theory of interest. Financial institutions and their regulation; focus on deposit type institutions. Derivative securities and their pricing with application of financial intermediaries.
Credits: 3
Prerequisites: FIN 408

FIN 485 - INVESTMENT THEORY
Financial securities and their markets including stocks, bonds, and other long-term securities. Portfolio theory and pricing theories including the capital asset pricing model, the arbitrage pricing model, and their applications to individual and institutional investment decisions. Retirement and other long-range planning.
Credits: 3
Prerequisites: FIN 408

FIN 487 - DERIVATIVES
Financial derivatives, such as futures, forward contracts, options, and swaps; markets for derivatives; pricing theories using the arbitrage principle. Use of derivatives to hedge and transfer risk.
Credits: 3
Prerequisites: FIN 485 and FIN 408

FIN 492 - PROFESSIONAL FIN INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to graduate business program.
Credits: 1-3
Course Notes: Internship requirements vary by assignment; consent, is required by the Internship Coordinator.

FIN 495 - FINANCE INDEPENDENT STUDY
Intensive study of a finance topic under the direction of a finance faculty member. The project is selected by the student with approval of the supervising faculty member, school director, and dean.
Credits: 1-3
Course Notes: Consent of Instructor and Academic Head

FIN 499 - SPECIAL TOPICS IN FINANCE
Content varies. Check class schedule for specific topics and prerequisites by clicking on the red five-digit CRN.
Credits: 1,3
Prerequisites: FIN 408

FIN 520 - CORPOR FIN
This course overviews advanced topics in financial management with particular emphasis on working capital management, dividend policy, investment banking, mergers and acquisitions, and pension plan management. Study financial aspects relating to a corporation or a not-for-profit entity. Through the use of case studies as well as corporate research, students will make financial decisions for an organization analyzing the alternatives and their effects on all stakeholders, and respond rationally to change. (Prerequisite: BUS 500)
Credits: 3
Prerequisites: BUS 500

FIN 525 - INVEST ANALYSIS
This course is designed as an introductory graduate level course on investments and security analysis. It will provide a thorough study of financial markets, valuation techniques, asset allocation issues, risk and return, indirect investing, top-down analysis for investment decisions, and other financial instruments such as derivatives. The course also discusses an analysis of bond markets and bond duration, fundamental analysis, modern portfolio theory, and evaluation of investment performance.
Credits: 3

FIN 560 - FIN MARKETS
This course examines the essential elements of money, banking and financial markets. The emphasis is on macroeconomics including forms and functions of money, financial markets, the role of electronic trading, interest rates, efficient markets, depository institutions and regulations, money supply, central banks, the role of the Federal Reserve and monetary policy. (Prerequisite: Accounting/Finance or Management/Finance majors only, FIN 520 with a grade of B or better.)
Credits: 3
Prerequisites: FIN 520

FIN 680 - SECURITY ANALYS
This course is specifically designed to prepare individuals for the Chartered Financial Analyst (CFA) exam, level one. The course focuses on the tools and input for investment valuation, especially statistical tools and financial statement analysis, fundamental analysis, asset valuation, portfolio and financial instruments. (Prerequisite: FIN 520 with a grade of B or better and FIN 525)
Credits: 3
Prerequisites: FIN 520
FIN 690 - ADVANCED TOPICS
This is an advanced, case-based, corporate finance course with an emphasis on valuation, mergers, and acquisitions, capital structure, debt management, and dividend policy. Topics include optimal capital structure, IPOs, mergers and acquisitions, optimal payout policy, working capital policy, contemporary issues in corporate finance, and corporate governance. (Prerequisites: FIN 520 with a grade of B or better, FIN 620 and FIN 680)
Credits: 3
Prerequisites: FIN 620
HISTORY (HIST)

HIST 401 - HISTORY OF PUBLIC HEALTH
This course will explore the ways in which changing scientific and philosophic definitions of health and disease have framed population health concerns, such as quarantine, occupational safety, maternal health, epidemiology, and fears of contagion, both real and imagined. By focusing on the intersection of health, politics, and ideas of gender, race, class, and ethnicity, this course will adopt a comparative approach and emphasize the relationship between social context and transformations in public health practice and policy in contexts ranging from ancient Rome to twentieth-century Chicago.
Credits: 3
Course Notes: Graduate Standing

HIST 402 - RENAISSANCE AND REFORMATION
Society, economics, ideals, and politics in Western Europe from the mid-13th century to 17th-century religious wars.
Credits: 3

HIST 403 - IMMIGRATION, ETHNICITY, AND THE AMERICAN EXPERIENCE
Reading and research on changing trends in immigration, assimilation efforts, and immigrant politics and policies.
Credits: 3

HIST 404 - COLONIAL AND POST-COLONIAL EUROPE
An examination of the European colonial systems as a cultural and social expression of and response to imperialism in the modern era from the 18th century through its collapse after World War II. Topics include European conquest and exploitation of Africa and the Middle East; relationships of power, race, and gender; the breakdown of 19th century models of colonialism and the legacy of European dominance on former colonies. Emphasis on visual representation and historical biographies.
Credits: 3

HIST 407 - HISTORY OF CHICAGO
Growth of the city and suburbs, land use and economy, changing ethnic and social components, and politics and culture.
Credits: 3

HIST 408 - WOMEN & THE RUSSIAN REVOLUTION
This course will examine women's struggle to expand their public role and legal rights in Russia in the half century prior to the Bolshevik Revolution in 1917. Key topics include: women's participation in organized revolutionary movements; challenges to everyday meanings of gender, marriage, motherhood, and sexuality; and contributions to the eventual overthrow of the tsarist regime.
Credits: 3

HIST 410 - EUROPE FROM ABSOLUTISM-REVOLUTION
European society and government from the height of absolute monarchy to the dawn of democracy. Social and cultural trends; Scientific Revolution and Enlightenment; the rise of European overseas empires.
Credits: 3

HIST 411 - SOCIAL & CULTURAL MEDIEVAL EUROPE
Social, cultural, and political institutions in Western Europe from later Roman Empire to mid-15th century.
Credits: 3

HIST 414 - POLITICS & CULTURE IN AMERICAN REVOLUTION
This course will introduce students to the major ideas and events in American history from 1763 to 1800 that spurred political, cultural, and social change. We will examine the political theories that inspired Revolutionary calls for independence and the government created in its aftermath. We will also, however, consider the Revolution and its aftermath from the perspective of ordinary people, including artisans, laborers, slaves, free blacks, and women.
Credits: 3
Course Notes: Graduate Standing

HIST 415 - COLONIAL LATIN AMERICA
This course analyzes the history of Latin America from pre-Hispanic times to the revolutions of Independence. Reading will focus on political, social and cultural historical processes, including the following topics: Amerindian societies, conquest, colonization, empire, the Atlantic World, frontiers, environmental changes, gender, race & ethnicity, slavery, administration and corruption.
Credits: 3

HIST 416 - LATIN AMERICA SINCE INDEPENDENCE
Socioeconomic structures, law and politics, ideologies, growth and distribution of power and resources, religious culture, reform and revolution from independence to present.
Credits: 3

HIST 419 - THE WORLD TURNED UPSIDE DOWN: HAMILTON'S AMERICA
This course explores the political changes leading to the American Revolution along with the intellectual, cultural and social revolutions that occurred during the eighteenth century. Family relations, consumer behavior, even the way people spoke—all underwent profound transformations. While the American Revolution gave birth to a new political order, these other revolutions gave birth to a new way of being in the world, one that continues to shape our lives.
Credits: 3
Course Notes: Graduate Standing

HIST 423 - URBAN VISION:CITIES & SUBURBS HISTORY
Cultural and social history of US cities from colonial small town to 21st-century megalopolis. Focus on environment, politics, immigration, race and ethnicity, work, family life, reform, mass culture, and suburbanization.
Credits: 3

HIST 426 - TOPICS IN AMERICAN SOCIAL HISTORY
Topics include gender roles, gender and labor, childhood in America, food history, and slavery.
Credits: 3

HIST 427 - WORKING MEN & WORKING WOMEN
Development of labor organizations from 1840 to present and changing lifestyle of the laboring population.
Credits: 3

HIST 428A - READINGS IN U.S. HISTORY TO 1877
Intensive readings seminar in US history from the colonial period through reconstruction designed to familiarize students with the significant topics and historiography associated with this field.
Credits: 3

HIST 428B - READINGS IN U.S. HISTORY FROM 1877
Intensive readings seminar in US history from 1877 to present designed to familiarize students with the significant topics and historiography associated with this field.
Credits: 3
HIST 429A - READINGS IN EUROPEAN HISTORY, 1400-1750
Intensive readings seminar in European history from 1400 to 1750 designed to familiarize students with the significant topics and historiography associated with this field.
Credits: 3

HIST 429B - READINGS IN EUROPEAN HISTORY, 1750-PRESENT
Intensive readings in European history from 1750 to present designed to familiarize students with the significant topics and historiography associated with this field.
Credits: 3

HIST 430 - CONQUEST, COLONIZATION, AND RESISTANCE IN EARLY AMERICA
This course examines the interaction of Native Americans, Europeans, and Africans in North America from initial contact through the Revolutionary War in the United States. It will emphasize cultural, political, and economic change, adaptation and resistance to colonization, and issues of race, ethnicity, gender, and nationalism.
Credits: 3

HIST 433 - HISTORY & MEMORY OF THE CIVIL WAR
This course explores the history and political and cultural memory of the Civil War. Among the subjects to be examined include the commemoration of the dead, the place of slavery in the memory of the Civil War, disputes over the teaching of the Civil War, the role of the Confederate flag and the lost cause, changing perceptions of notable figures, and the experiences and reminiscences of regular soldiers and citizens.
Credits: 3

HIST 436 - READINGS IN AFRICAN AMERICAN HISTORY
Intensive readings seminar in African American history from the colonial period to the modern era designed to acquaint students with the major topics and historiographical traditions in this field.
Credits: 3

HIST 437 - HISTORY OF UNITED STATES REFORM MOVEMENTS
Analysis of reform movements including abolitionism, populism, progressivism, New Deal, the 1960s, and recent reform movements.
Credits: 3
Attributes: Women Gender Studies

HIST 438 - READINGS IN ATLANTIC WORLD HISTORY
Intensive readings seminar in Atlantic World History designed to acquaint students with the major historiographical traditions in the field.
Credits: 3

HIST 441 - TOPICS IN EUROPEAN HISTORY
Topics may include Russian and Soviet histories; class formations and divisions, intellectual currents, and revolutionary upheavals.
Credits: 3

HIST 442 - TOPICS IN WORLD HISTORY
Asian, African, and Latin American studies; topics may include global linkages.
Credits: 3

HIST 447 - REBELS, WITCHES, AND MONARCHS IN EARLY MODERN ENGLAND
This course will explore the history of England from the accession of Henry VII in 1485 to the so-called “Glorious Revolution” at the end of the seventeenth century. In seeking to understand the emergence of the English nation, the clash between royal and parliamentary authority, and the relationship between gender and power, we will give particular attention to the vivid personalities of English rulers and the impact of their policies on religious, social, and political life throughout the British Isles. Assigned readings will focus on the intersections between religion, rebellion, and revolution in the sixteenth and seventeenth centuries, and the ways in which ordinary Englishmen and women experienced the dynastic crises and upheaval of the period that launched England from peripheral European state to one of the wealthiest and most powerful nations of the modern era.
Credits: 3
Course Notes: No additional credit granted for 'TUDOR/STUART ENGLAND

HIST 448 - SOCIAL & CULTURAL HISTORY OF MEDICINE 1500-PRESENT
This course will explore the social and cultural history of medicine in urban settings from the sixteenth century to the present and the ways in which urban culture shaped the development of the modern medicine and its practitioners. This course assumes no special technical knowledge of the biomedical sciences.
Credits: 3

HIST 450 - GRADUATE SEMINAR
Historiographical exploration and research of a select and significant topic.
Credits: 3
Course Notes: Graduate standing

HIST 452 - MAKING MODERN AMERICA 1880-1929
Explores American politics, culture, society and economics from the end of Reconstruction through the 1910s, a period of intense industrialization, immigration, and urbanization. Recognizing the contested nature of race and gender in this era of substantial wealth inequality reframes traditional narratives of the second industrial revolution, partisan politics, class warfare, consumerism, imperialism and reform as the U.S. made its bumpy transition from the Victorian to modern era.
Credits: 3

HIST 453 - BOOM AND BUST AMERICA
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Explores American politics, culture, society and economics from the end of Reconstruction through the 1910s, a period of intense industrialization, immigration, and urbanization. Recognizing the contested nature of race and gender in this era of substantial wealth inequality reframes traditional narratives of the second industrial revolution, partisan politics, class warfare, consumerism, imperialism and reform as the U.S. made its bumpy transition from the Victorian to modern era.
Credits: 3
Attributes: International Studies, Travel Based Study
HIST 457 - THE POLITICS AND CULTURE OF COLD WAR AMERICA
Explores the politics and culture of the U.S. from the end of WWII to the end of the Cold War in the late 1980s. From the policy of containment to the proliferation of theme parks such as Disneyworld, the course examines the individuals, events, ideologies and forces that shaped Cold War America.
Credits: 3
Course Notes: No additional credit granted for HIST 457 as, US History from 1945

HIST 468 - SOCIETY AND CULTURE IN THE ANTEBELLUM ERA
Emergence and development of a new government under the Constitution of 1787. Political re-formation from the election of Andrew Jackson to the election of Lincoln; Jacksonian Democracy; importance of slave labor and wage labor as cores of the market economy; religious-based reform; countervailing influences of nationalism and sectionalism.
Credits: 3
Course Notes: Grad. standing.

HIST 483 - WOMEN, GENDER, AND POWER IN UNITED STATES HISTORY
This course, while providing a broad survey of women's experiences in the US since the colonial period, will focus in on events, people, and issues that help illuminate how gender has been defined, contested, and lived. Through close readings of primary and secondary sources, we will engage with questions of power, critically examining the intersections of gender, race, sexuality, and other markers of identity and difference.
Credits: 3
Attributes: Women Gender Studies

HIST 484 - INTERNSHIP IN HISTORY
Internship with a local organization involving a significant history component. An internship requires working the equivalent of 8 hours/week (10 hours summer) for a total of at least 120 hours at the site of the selected organization. The student will keep a journal or log of weekly work and write a final paper that reflects upon the organization and its relationship to the history community or a particular historical subject related to his/her work. Offered in conjunction with faculty advisor, by faculty consent, and requires an advanced signed contract.
Credits: 3
Course Notes: Consent of advisor.

HIST 485 - INTERNSHIP IN TEACHING HISTORY
Student is apprenticed to an experienced teacher in history and participates in all aspects of class planning and procedures, including construction of the syllabus, lesson plans, lectures, writing assignments and exams. The student will participate in facilitating class discussion, some lecturing, and grading papers and exams.
Credits: 3
Course Notes: Graduate standing and consent of professor.

HIST 486 - TOPICS IN HISTORY OUTSIDE THE CLASSROOM
Students step outside the classroom to experience history as it is practiced and lived. Through active, hands-on learning, students apply historical skills and methods to uncover, preserve, disseminate, and/or utilize history for a wide variety of purposes and audiences. Potential projects may include researching and mounting a historical exhibit; assisting archivists in collecting and organizing materials; conducting oral histories; building primary source databases; or mapping historical topics.
Credits: 3
Course Notes: Students will be required to work on projects off campus. Details on this off-campus work will be, specific to the topic being taught.

HIST 490 - THESIS
Credits: 3
Course Notes: Consent of instructor.

HIST 490Y - MASTERS THESIS COMPLETION
Credits: 0

HIST 495 - INDEPENDENT STUDY
Credits: 1-6
HOSPITALITY MANAGEMENT (HOSM)

HOSM 400 - ISSUES/TRENDS IN THE HOSPITALITY MANAGEMENT INDUSTRY
Comprehensive review of the hospitality and tourism industry. Presentations and dialogue with executives in the field. Topics include lodging; food and beverage; meeting, convention, and exhibition management; government; transportation; and associations. Credits: 3
Course Notes: Dept. approval

HOSM 402 - COMPETITIVE & STRATEGIC ANALYSIS
Students will explore mission, goal, strategy formulation, strategy implementation, and strategy evaluation involving industry through analysis of the competitive environment, key success factors, strategic scenario analysis and SWOT analysis. Additional topics covered include strategic thinking, competitive advantage, vertical and horizontal integration, and planning horizon. The course is designed to improve competitive advantage, develop a strategic plan, and understand the integration of change and decision making on operations. Credits: 3
Course Notes: Restricted to EMHTM students.

HOSM 403 - BUSINESS ANALYSIS
This course provides the fundamental concepts of business analysis that are essential to the practice and further advanced study in the field. The course will cover the International Institute of Business Analysis BABOK® knowledge areas, business analysis skills and techniques. Topics will include business analysis planning and monitoring, elicitation, requirements management and communication, enterprise analysis, requirements analysis, solution assessment and validation. Credits: 3

HOSM 410 - APPLIED RESEARCH METHODS IN HOSPITALITY MANAGEMENT
Data, methods, and analytical techniques necessary for leadership in new business realities. Basic statistical and analytical tools. Sources of data such as online services, focus groups, and surveys. Analytical tools such as factor and cluster analysis. Modeling techniques such as simulation, animation, and GIS (geographic information systems). Credits: 3
Course Notes: Dept. approval

HOSM 412 - TRAINING/DEVELOPMENT IN THE HOSPITALITY INDUSTRY
How to design a learning atmosphere to produce change in the workplace environment. Interactive components of training systems as they relate to the hospitality and tourism industry including needs assessments, instructional design, learning and transfer, delivery methods, and evaluation. Theoretical background and practical application. Credits: 3
Course Notes: Consent Master's Prog. Dir.

HOSM 417 - HUMAN CAPITAL MANAGEMENT AND DEVELOPMENT
Students are introduced to the strategic role human resource management plays in creating competitive advantages in hospitality firms. Students will study Human Capital Management policies and practices in context within the scope of broader organizational strategies, operational activities, and competitiveness in an increasingly global marketplace. Diversity and technology are key drivers in this conversation. Credits: 3
Course Notes: Restricted EMHTM students

HOSM 419 - CORPORATE SOCIAL RESPONSIBILITY IN THE HOSPITALITY WORKPLACE
This course provides vision, knowledge and a framework to promote global citizenship behavior in the hospitality workplace. By creating a cogent corporate social responsibility (CSR) strategy that aligns social and environmental efforts with the company, hospitality managers can better respond to global challenges. The CSR strategy takes into account the societal context in which businesses operate that helps maximize positive social, environmental and economic outcomes. Credits: 3
Course Notes: Restricted to EMHTM students.

HOSM 420 - MANAGEMENT THEORY & PRACTICE IN HOSPITALITY MANAGEMENT
Topics may include management processes, change, delegation, motivation, selection, evaluation, compensation, leadership, and training. Credits: 3
Course Notes: Dept. approval

HOSM 425 - TOURISM ADMINISTRATION
Hospitality-related businesses, governmental agencies, and non-governmental organizations that impact the tourism industry. Role of lodging, restaurants, catering, retailing, transportation, trade shows, meetings/events/festivals, and labor as relates to the tourism industry. Local, state, and national administration of tourism, including legislative issues, funding, and marketing. Particular attention is given to the operation of special governmental units involved with the tourism industry. Credits: 3
Course Notes: Department approval.

HOSM 430 - HOSPITALITY OPERATIONS ANALYSIS
Business and financial reports typical of hospitality and tourism operations; preparation and analysis of profit and loss statements. Credits: 3
Course Notes: Dept. approval

HOSM 435 - CREATING AN ETHICAL ORGANIZATION
Various ethics case studies will emphasize the role of the individual as decision-maker and focus upon ethical issues and dilemmas facing people in most organizations. Ethical issues are presented in a management context and students will engage in with the issues to drive reasoned action and resolution to an ethical problem. Credits: 3

HOSM 440 - ORGANIZATIONAL DEVELOPMENT, MULTICULTURALISM, & CULTURAL DIVERSITY
How new business realities affect individuals, groups, and organizations in the hospitality and tourism industry. Changing perspectives on leadership, the promise and problems of teams, and the nature of influence and power. The social structure of competition and cooperation, alliances, joint ventures, culture and conflict, and negotiation. Credits: 3
Course Notes: Dept. approval

HOSM 445 - MTDS TCHG HOSP & TOUR SUBJECTS
Scope of the hospitality and tourism industry and current industry-related instructional materials and program designs for instructors at the secondary and post-secondary levels. Process of developing secondary school programs, establishing post-secondary educational articulation agreements, and gaining financial support. Analysis of the economic, social, cultural, and environmental impact of hospitality and tourism on domestic and international economies. Current and future trends in the industry. (3) Credits: 3
HOSM 450 - GRADUATE SEMINAR IN FOOD SERVICE
Designed to open up fresh perspectives and develop new insights into topics which represent emerging and/or critical issues in food and beverage management. Contemporary issues and problems facing those with management-level responsibilities. (3)
Credits: 3
Course Notes: Dept. approval

HOSM 452 - STRATEGIC MARKETING MANAGEMENT FOR THE HOSPITALITY INDUSTRY
Discussion of marketing as it relates to the hospitality industry: market research; positioning; marketing plan development, including the use of social media platforms and analytics; competitive analysis; promotion; advertising; and the current business development techniques are examined.
Credits: 3
Course Notes: Restricted to EMHTM students

HOSM 460 - GRADUATE SEMINAR IN LODGING
Designed to open up fresh perspectives and develop new insights into topics which represent emerging and/or critical issues in lodging. Contemporary issues and problems facing those with management-level responsibilities. (3)
Credits: 3
Course Notes: Dept. approval

HOSM 462 - STRATEGIC INNOVATION & ENTREPRENEURIAL LEADERSHIP FOR HOSPITALITY EXECUTIVES
Leadership and entrepreneurial skills through collaborative, problem-based projects. Students learn how to define new business ventures to meet current market needs, develop business plans, and present to investors. Current topics and trends within entrepreneurship will include: franchising, innovation, feasibility, entrepreneurial creativity, and targeted forms of market research.
Credits: 3
Course Notes: Restricted to EMHTM students

HOSM 465 - HOTEL FEASIBILITY STUDIES
Examines and practices the process for determining the likelihood of profit on an investment in a hospitality business. Topics include financing issues, site specifications, franchise and amenities issues, market analyses, and operational issues.
Credits: 3

HOSM 470 - GRADUATE SEMINAR IN MEETINGS & EVENT MANAGEMENT
Designed to open up fresh perspectives and develop new insights into topics which represent emerging and/or critical issues in meeting, convention, and exhibition management. Contemporary issues and problems facing those with management-level responsibilities. (3)
Credits: 3
Prerequisites: HOSM 315 and HOSM 317 or HOSM 320 and HOSM 322
Course Notes: Dept. approval

HOSM 480 - SPECIAL TOPIC
Emerging issues of interest to students and the industry.
Credits: 3
Course Notes: Dept. consent

HOSM 481 - SPECIAL TOPICS IN HOSPITALITY
Emerging issues of interest to students and the industry.
Credits: 3

HOSM 482 - PRACTICUM: HOSPITALITY & TOURISM
Credits: 3
Course Notes: Must be HS or College teacher

HOSM 490 - RESEARCH THESIS IN HOSPITALITY MANAGEMENT
Capstone of the graduate program for students interested in teaching or pursuing a doctorate in hospitality and tourism management. Conducted under the sponsorship of a committee, the thesis is an empirical study that makes a contribution to the research literature on hospitality and tourism management.
Credits: 3
Course Notes: Dept. approval

HOSM 490Y - MASTERS THESIS COMPLETION
Credits: 0

HOSM 499 - MASTERS PROJECT
Capstone of the graduate hospitality and tourism management program for students not pursuing a research and/or teaching career. Designed in consultation with a committee, the project represents original work by the student in applying management disciplines to the hospitality and tourism industry.
Credits: 3
Course Notes: Dept. approval

HOSM 499Y - MASTERS PROJECT COMPLETION
Credits: 0
HUMAN RESOURCE MANAGEMENT (HRM)

HRM 400 - STRATEGIC ISSUES IN HUMAN RESOURCES
Current management concepts enabling managers to make decisions based on accurate diagnosis of situations that involve human resources issues. The functions (employment, development, compensation, labor-management, diversity, and employment law) are all concurrent processes to be addressed in the special context of human resources management function. (3)
Credits: 3

HRM 405 - LEGAL ISSUES IN HUMAN RESOURCE
Credits: 3

HRM 423 - BEHAVIORAL SCIENCE SYSTEM FOR MANAGEMENT
Current concepts in behavioral science applied to human relations in business organizations. Employee needs and job characteristics, methods of motivation, job enlargement and enrichment, goal-oriented management, effect of systems approach to management of employee and organization structure, administration of employee and executive development programs.
Credits: 3
Prerequisites: MGMT 407

HRM 428 - WORKPLACE DIVERSITY
Students learn to recognize diverse points of view and understand ways in which a diverse workplace enhances organizational growth. Explores the role of training and development in supporting workplace diversity.
Credits: 3

HRM 430 - EMPLOYEE BENEFITS
In-depth introduction to the area of employee benefits. The employer and benefit provider’s perspectives in the design and implementation of employee benefit programs.
Credits: 3

HRM 432 - LABOR AND EMPLOYEE RELATIONS
Course focuses on both unionized and non-unionized employee relations. Labor relations portion focuses on labor law, union structures, collective bargaining process, collective bargaining agreement features, grievance handling, analysis of labor-management conflict, and conflict resolution options. Non-union employee relations portion focuses on developing policies designed to create a productive, supportive work environment for employees, specifically examining how employees and supervisors resolve conflicts and communicate to achieve a climate that enhances performance. Cross-listed with MGMT 432.
Credits: 3
Prerequisites: HRM 400

HRM 434 - EMPLOYEE SELECTION & STAFFING
Governmental regulations affecting employment decisions. The role of federal, state, and local government related to ‘legal or illegal’ HR department operations. Review of job analysis and job descriptions and the establishment of personnel planning and recruitment strategies. Employment tests, interview, and background investigations evaluated for efficacy and legality. Paradigm for making effective decisions consistent with organizational goals and objectives.
Credits: 3
Prerequisites: HRM 400

HRM 438 - COMPENSATION MANAGEMENT
Theory and practice of compensation systems. Topics include financial and nonfinancial incentives, performance appraisal, audits of pay programs, piece rate setting, compensable worth, merit programs, and related policy determination. Institutional and governmental constraints on compensation decisions, internal equity, and individual equity. Pertinent legislation. Executive compensation, bonus systems, stock options, phantom stock awards, and other executive perquisites.
Credits: 3
Prerequisites: HRM 400

HRM 455 - GLOBAL HRM
This course is an introduction to and a comprehensive exploration of people management practices in the international context. HRM strategies, practices and perspectives will be investigated to gain a solid awareness and understanding of international people management within multinational organizations. Students will develop a global perspective and working knowledge of the major trends, challenges and practices in international HRM.
Credits: 3
Prerequisites: HRM 400
INFORMATION SYSTEMS (INFS)

INFS 401 - INFORMATION RESOURCE MANAGEMENT
Information processing systems; information technology infrastructure; database and information management; computer networks and telecommunications; information security; enterprise applications; e-commerce; building information systems; fundamental management; strategic, and organizational issues in the use of information systems. Credits: 3
Prerequisites: INFS 401

INFS 402 - BUSINESS ANALYSIS
This course provides the fundamental concepts of business analysis that are essential to the practice and further advanced study in the field. The course will cover the International Institute of Business Analysis BABOK® knowledge areas, business analysis skills and techniques. Topics will include business analysis planning and monitoring, elicitation, requirements management and communication, enterprise analysis, requirements analysis, solution assessment and validation. Credits: 3
Prerequisites: INFS 401

INFS 412 - DATABASE SYSTEMS
Logical database organization, analysis, and design. Alternatives for database organization in business environment. Database management with emphasis on security and responsibilities of database administrator. Survey of major database management software. Credits: 3
Prerequisites: INFS 401

INFS 413 - DATA ANALYTICS
Organizations today are inundated with data, gathered from both inside and outside the organization. To improve business decisions, analytics for big data-at-rest and big data-in-motion must be explored. This course introduces the concept of business analytical methods, models and in particular the analysis of big data, that is, data sets so large that traditional relational database management systems and computing platforms are insufficient. Hadoop architecture with MapReduce and its ecosystems will be discussed. Students will have a chance to work with big data analytic tools from IBM and Microsoft. Credits: 3
Prerequisites: INFS 401
Course Notes: No additional credit granted for ‘BIG DATA ANALYTICS

INFS 415 - BUSINESS ANALYTICS AND STATISTICAL INFERENCEING MODELS
Business decision-making often relies on analysis of quantitative data for support. Transforming quantitative data into valued information in support of decision-making often involves various aspects of mathematical analysis, including probability, descriptive and predictive statistics, and optimization modeling. This course addresses the fundamental concepts of the emerging field of business analytics and provides vital tools in understanding how data analysis works in today's organization. Credits: 3
Prerequisites: INFS 401

INFS 417 - PREDICTIVE BUSINESS DATA ANALYTICS
Predictive analytics is the process of discovering interesting and meaningful patterns in data. This course focuses on using data-driven algorithms and induction algorithms to reveal patterns and trends from business data. This course also uses the language “R” to manage data. Various techniques such as Market Basket Analysis, K-means clustering, Classifications using Decision Trees and Rules, Nearest Neighbors classifications and Specialized Machine Learning. Credits: 3
Prerequisites: INFS 401

INFS 421 - ACCOUNTING INFORMATION SYSTEMS
Systems development and systems applications within accounting and financial areas. Topics include security, control, information needs, decision requirements, processes, techniques, and data flows. Credits: 3
Prerequisites: INFS 401

INFS 430 - GLOBAL ISSUES IN INFORMATION SYSTEMS
Information systems and technology in global settings; the study of diverse cultures, business environments, and legal issues; transborder dataflow; information systems issues arising from conducting business globally. Credits: 2,3
Prerequisites: INFS 401

INFS 451 - DECISION SUPPORT SYSTEMS
Role of information systems in assisting management decision making to increase business effectiveness; decision support and business intelligence systems; modeling and analysis; data warehousing and data mining; artificial intelligence systems; knowledge management. Credits: 3
Prerequisites: INFS 401

INFS 460 - INFORMATION SYSTEMS SECURITY I
This course focuses on the fundamental concepts of information systems security. Information systems security is the most important aspect of business and organizational environments. This course will explore all security issues including system authentication and access control, database security, malicious attacks and computer crime, intrusion detection, and system auditing. This course will serve as the foundation course for information systems security. Credits: 3
Prerequisites: INFS 401

INFS 462 - INFORMATION SECURITY SYSTEMS II
This course explores security issues and counter measures related to important information assets. Topics covered include access control, risk management, data, application and network security, malicious software and other types of attacks, cryptography, and cloud security. The course considers various important aspects of relevance to information security both from the perspective of individuals and organizations. It provides the background for people interested in the information security field. Credits: 3
Prerequisites: INFS 401

INFS 464 - SECURITY RISK MANAGEMENT AND PRACTICES
This course provides a detailed, practical view of security risk management and a definitive guide for building and/or running an information security risk management program. It explores each phase of the risk management lifecycle, and presents a roadmap for designing and implementing a security risk management program. Information systems and data center operations with special tools will be a focus in this course. Credits: 3
Prerequisites: INFS 401
INFS 471 - MANAGEMENT OF INFORMATION SYSTEMS
Managing technologies in the digital- and knowledge-based economy; impact of information systems on business model, corporate strategy and organization; strategic information systems planning; information technology architecture; managing systems development; managing information security, information systems organization and job market.
Credits: 3
Prerequisites: INFS 401

INFS 485 - MANAGING HIGH PERFORMANCE TEAMS
This course focuses on how project managers can adopt the most appropriate leadership style under a given set of circumstances. Leading High-Performance Projects helps project managers encourage greater teaming, become more effective decision-makers, reduce incidences of negative conflict, and eliminate opportunities for ‘negative energy’ to permeate a project. The students will learn how to become more efficient, more effective, more productive, and consequently, more successful project managers.
Credits: 3
Prerequisites: INFS 401

INFS 488 - PROJECT MANAGEMENT
Applied approach to the study of project management. An integrative framework for understanding principles and practices of project management, including origins, applications, and philosophy. The role of project management in organizations; the use of teams in and implementation of project management practices.
Credits: 3
Prerequisites: INFS 401

INFS 490 - This course focuses on tools and systems of project management. Various systems and methods used in
This course focuses on tools and systems of project management. Various systems and methods used in project management in a variety of arenas will be discussed. Integrating the Project Management Book of Knowledge (PMBOK), this course focuses on the various tools used in project management, risk management, project planning, project scheduling, and project implementation. MS-Project is heavily used in this course to manage projects.
Credits: 3
Prerequisites: INFS 488 or MGMT 488

INFS 494 - PROJECT MANAGEMENT: TOOLS AND SYSTEMS
This course focuses on tools and systems of project management. Various systems and methods used in project management in a variety of arenas will be discussed. Integrating the Project Management Book of Knowledge (PMBOK), this course focuses on the various tools used in project management, risk management, project planning, project scheduling, and project implementation. MS-Project is heavily used in this course to manage projects.
Credits: 3
Prerequisites: INFS 488 or MGMT 488

INFS 495 - INDEPENDENT STUDY
Intensive study of a topic under the direction of an information systems faculty member. The project is selected by the student with approval of the supervising faculty member, department chair, and dean.
Credits: 1-3
Course Notes: Consent of Instructor and Academic Head

INFS 510 - MGT INFO SYS
This course examines current issues, themes, and research related to the strategic use of information systems in organizations. It focuses on the use of information and information technology for competitive advantage in businesses, organizations, and non-profits. It explores the impact of an innovative environment on the design and implementation of strategic systems and explores the concept of strategic alignment between the business and information technology. It examines in detail the use of portfolio management in selecting information technology projects that provide real strategic value to the company. It explores the issue of deriving real value out of information technology investments and discusses the development of meaningful benchmarks. Also included are in-depth discussions regarding the impact of IT security and government regulations in the organizations.
Credits: 3

INFS 515 - DBASE DES MGT
Through this in-depth study of data semantics, graphics-based data modeling, relational algebra, the database language SQL, and normalization theory, students develop a solid and practical foundation for the design and implementation of relational database systems. Students will learn the practical applications of database technology: the acquisition, specification, and management of data. Advanced topics such as enterprise databases, database recovery, database security and concurrency control issues will be discussed. Students will assess an organization's information and data availability to design and build.
Credits: 3

INFS 517 - CLIENT SERV DEV
CLIENT SERV DEV
Credits: 3

INFS 521 - IT FINANCIAL MGT
IT FINANCIAL MGT
Credits: 3

INFS 525 - OBJ-ORIENT PROG
In this course, students will learn the process of developing a software product using the object-oriented approach. Through case studies and projects, students will understand the concepts of classes and objects, methods and message passing, inheritance, polymorphism, encapsulation and method overloading. The course will also introduce advanced programming constructs needed for the implementation of programming projects.
Credits: 3
INFS 531 - IT SERVICE MGT
This course introduces students to the basic concepts and terminology associated with IT service management. Simulations will aid students in understanding how service management best practices help to align IT with business objectives. Topics include a history of IT Service management, current trends in the industry, an introduction to the Information Technology Infrastructure Library (ITIL), ISO 20000 and other standards and best practices in use by organizations today, and outsourcing and supplier/vendor management.
Credits: 3

INFS 540 - Data Communication & Networking
In this course, students will learn the most significant aspects of data communications and computer networking using the OSI and TCP/IP reference models. It is essential that MIS professionals understand a variety of media, hardware, devices, protocols, and technologies to analyze a computer network and its security. This course will lay the foundation for advanced security topics in the area of LAN, WAN, Cyber and Wireless technologies. Where appropriate, hands-on approach will be used to explore and understand basic computer networking and associated risks.
Credits: 3

INFS 542 - NET/INTERNET SEC
This course provides the students with the theoretical and technical knowledge needed to design and implement an effective security strategy in a corporate network environment. Topics covered in this course include: firewalls, intrusion detection systems, authentication, cryptography, encryption, digital signatures and key exchange. Students will learn how to enhance network security with cabling and network hardware, understand different types of firewalls, packet filtering and NAT, set up and secure virtual private networks and understand hacker exploits.
Credits: 3

INFS 548 - Information Security Management
In this course, students will learn the fundamentals of managing information security and risks within an organization. Students will be exposed to the spectrum of information security best practices, methodologies, and procedures at infrastructure level. Topics such as security policies, incident response, disaster recovery, and risk analysis from both a technical and managerial perspective will be discussed. An overview of the information security management lifecycle will be introduced; students will study managerial responsibilities including ethics, audit and compliance procedures, and security costs/benefit analysis.
Credits: 3

INFS 550 - CLOUD COMPUTING
This course provides an introduction to cloud computing with specific consideration for architecting the Cloud environment and focusing on highly scalable (or so-called “web-scale”) web applications, and enterprise applications in a hybrid environment comprising both on premises and cloud infrastructure. We will focus primarily on infrastructure and platform services, and will introduce software, as a service, from the perspective of a consuming application. The course will emphasize practical applications of cloud computing technologies, with sufficient exploration of their theoretical underpinnings to inform architectural, design, and implementation decisions.
Credits: 3

INFS 575 - ETHICAL HACKING
This course focuses on developing techniques for attack detection and mitigation in enterprise networks. The course includes: traffic/log analysis, anomaly detection, intrusion prevention, adaptive security policy, alarm analysis, worm containing and quarantining, and performance evaluation of defense systems. Special emphasis will be giving to developing intelligent network defense systems. Thus, students must be prepared to do programming projects using any platform or programming language. (Prerequisite: MIS 542)
Credits: 3
Prerequisites: MIS 542

INFS 589 - Business Continuity, Disaster Recovery Theories and Strategies
This course focuses on the knowledge necessary for an organization to prepare for a variety of major disruptions (floods, earthquakes, terrorist attacks, etc.). The goal is survival of the organization and its daily workflow despite major disruption. Students learn to analyze and prioritize risks and determine criticality ratings that are used to determine survival strategies. Students also learn how to organize employees to respond to a major disruption and how to document recovery plans.
Course content includes coverage of current industry trends, as well as planning for the survival of Information Technology functions within an organization. (Prerequisite: MIS 548, and MIS 575)
Credits: 3
Prerequisites: MIS 548

INFS 590 - CONNECT GLOBAL
In this integrative capstone course, students apply the knowledge gained in the courses of the MIS program. Students will collaborate to research, analyze, design, and document a complete IS system. Students will consult with local businesses to propose an IS design that meets the business’s challenge. Students will meet with the selected business’s management to discuss their requirements and the students’ solutions. This real-world project will allow students to use their knowledge of databases, networking, information security, and management to facilitate global connections. (Prerequisite: Dean’s consent)
Credits: 3
INSTRUCTIONAL LEADERSHIP (ILED)

ILED 401 - ASSESSMENT AND DATA ANALYSIS
The course focuses on the skills needed for the alignment of curricular and local assessments to standards and data analysis necessary to determine achievement gaps and improve the learning of all students. Credits: 3

ILED 411 - LEADERSHIP FOR ALL STUDENTS
This course examines and develops instructional leaders who are innovative and inspirational with respect to improving PreK-12 student learning, including meeting the needs of students with special needs, second language backgrounds, and gifted characteristics. Credits: 3

ILED 412 - BUILDING SCHOOL CULTURE AND COLLABORATION WITH DIVERSE STAKEHOLDERS
This course prepares instructional leaders to facilitate community understanding of the school's vision, purposes, functions, achievements, and needs. Examination of how instructional leaders can collaborate, partner with and learn from families and communities to improve school programs and P-12 regular and special needs student achievement. Credits: 3

ILED 420 - INSTRUCTIONAL SUPERVISION AND EVALUATION IN AN AGE OF ACCOUNTABILITY
Exploration of the latest trends and best practices in teacher evaluation and supervision, with a focus on how successful educational leaders positively impact school improvement and PreK-12 students, including special needs students. Credits: 3

ILED 423 - INTRODUCTION TO SPOKEN WORD PEDAGOGY
Provides an introduction to and overview of Spoken Word as pedagogy and its practical applications in the classroom. Credits: 3

ILED 424 - SEMINAR IN SPOKEN WORD EDUCATION I
Within the framework of Spoken Word education, this course develops advanced poetry writing skills and explores methods of effective poetry integration into classroom and co-curricular activities. Introduces and explores poets of color, and emphasizes the role of expressive writing and social-emotional learning in Spoken Word education. Credits: 3

ILED 425 - SEMINAR IN SPOKEN WORD EDUCATION II
This course is the third in a sequence of seminars that advance poetry writing competencies to the level of professional writing and publication. Students will learn program planning and develop the leadership skills necessary to successfully implement Spoken Word programs in a school setting. Credits: 3

ILED 430 - MENTOR COACH & LEAD FRAMEWORKS
Leadership strategies that effectively motivate, guide, support, and organize teachers and other school personnel to achieve individual and group success with all learners, no exceptions. Credits: 3

ILED 435 - ORGANIZING AND DEVELOPING INNOVATIVE CURRICULUM
Current research and 21st century evidence-based teaching practices that align school improvement with the district and school's vision, mission, beliefs, and curriculum to create a systematic process for future-oriented innovation, collaboration and professional development that intentionally align innovation, collaboration and professional development to school improvement. This course targets all P-12 students, especially in the areas of literacy and numeracy, including those with special needs. Attention will be given to developing curricula, assessments, and instructional practices that change student learning, creating cultures to amplify the learning of students who have been traditionally marginalized in public schools. Credits: 3

ILED 440 - PLANNING, DELIVERING, AND ASSESSING SCHOOL IMPROVEMENT PROGRAMS
Explores how to plan, deliver, and assess professional development programs and other PreK-12 school improvement activities focused on addressing the needs of all P-12 students, especially in the areas of literacy and numeracy, and including those with special needs. Credits: 3

ILED 451 - SCHOOL MANAGEMENT & BUDGET
Explores the historical, philosophical and political underpinnings of the management and financing of U.S. public education. The focus of analysis is PreK-12 instruction and how to align human resources and budget to improve achievement for all students, including special needs students and English language learners. Examines state and local public school funding systems, including how to prepare and manage district and school budgets. Particular attention will be given to the role of politics and the legal requirements that impact school funding. Credits: 3

ILED 453 - LEGAL ISSUES IN PRE-K TO 12 EDUCATION
Explores the historical, philosophical, political, and instructional foundations of public Pre K-12 education in relation to the legal aspects of school leadership and administration. Examines important legal requirements for the management of public schools, as well as current trends and issues. Credits: 3

ILED 460 - TEACHER LEADER PRACTICUM
This course provides an opportunity for students to engage in field-based experiential learning activities related to teacher leadership under the guidance of a practicing expert/mentor teacher leader. Credits: 3

ILED 463 - PRINCIPAL INTERNSHIP I
In this course the candidate will intern on-site with a school principal in a P-12 public or private school with the support of a university supervisor. The internship includes school leadership experiences in preschool, elementary, middle school and high school through a year-long Internship with regular and special needs students, such as those with Individual Education Plans (IEPs), Individualized Family Service Plan (IFSPs), or Section 504 plans, English Language Learners (ELLs), and students identified as gifted. The faculty supervisor will meet with the mentor principal to collaboratively assess the progress of the candidate in the internship. The faculty supervisor will meet with the candidates individually and in a group to discuss staff development, school/community interactions, planned organizational change, conflict management, administrative roles, the development of problem-solving skills, and the integration of theory and practice. Credits: 2-3
ILED 464 - PRINCIPAL INTERNSHIP II
In this course the candidate will intern on-site with a school principal in a P-12 public or private school with the support of a faculty supervisor. The internship includes school leadership experiences in preschool, elementary, middle school and high school through a year-long internship with regular and special needs students, such as those with Individual Education Plans (IEPs), Individualized Family Service Plan (IFSPs), or Section 504 plans, English Language Learners (ELLs), and students identified as gifted.
Credits: 2-3

ILED 465 - PRINCIPAL INTERNSHIP III
In this course the candidate will intern on-site with a school principal in a P-12 public or private school with the support of a faculty supervisor. The internship includes school leadership experiences in preschool, elementary, middle school and high school through a year-long internship with regular and special needs students, such as those with Individual Education Plans (IEPs), Individualized Family Service Plan (IFSPs), or Section 504 plans, English Language Learners (ELLs), and students identified as gifted.
Credits: 2-3
INTEGRATED MARKETING COMM (IMC)

IMC 401 - BRAND MARKETING AND COMMUNICATIONS
The principles and practices of marketing in a broad sense and marketing communications within the context of marketing organizations. Communications applications in new product development, pricing theory, and distribution channel strategies. Includes a module on quantitative methods in marketing analysis and decision-making. (3) Credits: 3
Course Notes: MSIMC Majors only; not open to MBA students. Minimum grade of B- required in IMC 401 and IMC 409, to continue in the MSIMC program.

IMC 405 - BRAND MKTG AND COMM METHODS
This course considers the principles and practices of brand marketing in a broad sense and marketing communications within the context of marketing organizations. Brand marketing applications in product development, pricing, distribution channel strategies, and personal attention will be paid to promotions, which is the brand communications element of the brand marketing mix.
Credits: 3
Course Notes: Admission to the MSIMC program. MBA students who have completed MKTG 406 with minimum grade, B-

IMC 409 - METHODS OF IMC
The use of marketing communications concepts and processes to build stronger brand relationships. An idea-centric model for the integration of marketing and communication to deliver customer-focused solutions. The marketing communication methods of advertising, public relations, sales promotion, direct response, personal sales, events, sponsorships, and customer service.
Credits: 3
Prerequisites: IMC 401 (may be taken concurrently) or MKTG 406 (may be taken concurrently)
Course Notes: Consent required for MBA majors. Minimum grade of B- required in IMC 401 and IMC 409 to continue in the MSIMC program.

IMC 440 - MARKETING COMMUNICATIONS RESEARCH
The importance of marketing information to the strategic decision-making process. Focus on research tools and techniques in marketing communications: product research, competitive analysis, audience and segmentation research, communications testing and media research. Emphasis on design, implementation, analysis and reporting of market research studies.
Credits: 3
Prerequisites: IMC 405 (may be taken concurrently) or IMC 409 (may be taken concurrently)

IMC 443 - PRINCIPLES OF IMC MEDIA PLANNING
Applications in media planning for IMC. Media planning process from objectives and strategies to tactics, budgeting, and plan execution. Media selling, media buying, and using syndicated media research.
Credits: 3
Prerequisites: IMC 446 (may be taken concurrently)

IMC 446 - BRAND PLANNING AND MESSAGE STRATEGY
Examination and execution of creative communication strategies from market analysis and value propositions to brand attributes and target segmentation. Marketing communication messages from concept and copy platforms to written completion. Emphasis on identifying goals and objectives, trends and tactics, and working towards the 'big idea.'
Credits: 3
Prerequisites: IMC 405 or IMC 409
Course Notes: Consent required for MBA majors.

IMC 447 - CREATIVE CAMPAIGNS
Overview of the visual arts in marketing communication. Fundamentals of brand identity and image, including print, broadcast, collateral, and web. Each student will be expected to demonstrate core competencies in creative decision-making in brand marketing.
Credits: 3
Prerequisites: IMC 446

IMC 452 - IMC ETHICS AND SOCIETY
Examination of manipulative techniques beyond appropriate persuasion related to IMC activities. Development and identification of marketplace attitudes on ethics; frameworks for decision making; case studies of marketing campaigns in business and politics; ethical issues emerging from new technologies applied in IMC.
Credits: 3
Prerequisites: IMC 405 (may be taken concurrently) or IMC 409

IMC 453 - GLOBAL MARKETING COMMUNICATION
Issues of globalism and domestic cultural diversity and their impact on IMC values. Focus on values, behaviors, and underlying assumptions related to verbal and visual communications strategies. Case studies of IMC campaigns directed towards culturally specific domestic and international audiences.
Credits: 3
Prerequisites: IMC 405 (may be taken concurrently) or IMC 409

IMC 454 - PUBLICATION DESIGN
Theories of design and practical experience with creating layout and using photos and art in newspapers, magazines, newsletters, online publications. Students use InDesign software for hands-on layout exercises.
Credits: 3
Prerequisites: IMC 446

IMC 455 - MAGAZINE WRITING
Research and writing of articles for contemporary magazine publications.
Credits: 3
Prerequisites: IMC 446

IMC 457 - MAGAZINE PRODUCTION
Research, writing, design, and production of magazine. Students learn the use of Adobe InDesign for page layout and creation of a magazine prototype.
Credits: 3
Prerequisites: IMC 446

IMC 460 - ACCOUNT PLANNING
Creating marketing communications requires insights about the consumer insights often unavailable through classical quantitative research techniques. Class covers: consumer decision-making behavior, long-term branding strategies, qualitative research techniques, and the kind of executional strategy skills normally associated with a creative director.
Credits: 3
Prerequisites: IMC 446 and IMC 440
IMC 461 - PRINCIPLES OF RELATIONSHIP MARKETING
The strategy of CRM. Topics include technologies (for marketing communications, not IT professionals); data-mining for CRM applications, salesforce automation, marketing optimization, digital aids to customer service, business intelligence and product personalization.
Credits: 3
Prerequisites: IMC 446 (may be taken concurrently)
Course Notes: No additional credit given for, PRINCIPLES OF SOCIAL MEDIA MARKETING

IMC 462 - DIGITAL AND SOCIAL MEDIA MARKETING
Digital and Social media marketing is now a foundational skillset, an absolute imperative, in the practice of marketing communications. In this course, we explore all things digital marketing including, but not limited to, social media marketing, internet and mobile display advertising, content marketing, email marketing, search engine marketing and optimization.
Credits: 3
Prerequisites: IMC 446 (may be taken concurrently)
Course Notes: Admission to graduate IMC

IMC 465 - CONTENT MARKETING AND BRAND STORYTELLING
Content marketing course in which students develop story ideas with particular brands and audiences in mind, and for platforms including the web, social media, and a customer magazine. In-depth research, reporting, and interviewing; telling nonfiction stories; developing cognizance of diversity, cultural awareness, and fairness issues in branded reporting, design, and editing.
Credits: 3
Prerequisites: IMC 446 (may be taken concurrently)
Course Notes: No additional credit given for, PRINCIPLES OF SOCIAL MEDIA MARKETING

IMC 471 - PUBLIC RELATIONS
Strategic functions and tactics of public relations. Models of creative thinking and problem-solving applied to the domains of public relations including media relations, community and member relations, investor relations, consumer relations, public affairs, and crisis communication. Skills in practical analysis and development of materials to generate reaction and support from targeted audiences.
Credits: 3
Prerequisites: IMC 446 (may be taken concurrently)

IMC 472 - BRAND PROMOTION AND ACTIVATION
Strategic approaches and tactical planning for applications in consumer and trade sales promotions. Business-to-business and business-to-consumer promotions techniques, including price deals, sampling, event sponsorship and shows, sweepstakes and contests, product placements, and tie-in partnerships.
Credits: 3
Prerequisites: IMC 446 (may be taken concurrently)

IMC 474 - CRISIS COMMUNICATION
Course focuses on understanding the variety of crises that threaten and affect organizations and/or brands and the integrated activities that organizations employ to address and minimize crises; understanding the life cycle of crises as well as strategies and tactics; gaining familiarity with stakeholders and methods used to offset threatening activity.
Credits: 3
Prerequisites: IMC 446 and IMC 471

IMC 480 - CAMPAIGN PLANNING
Capstone course in which students develop a complete IMC plan on a specific product or service. Focus on each element of the plan, covering the full content of the core program. Instructor provides counsel to student teams.
Credits: 3
Prerequisites: IMC 446
Course Notes: For MSIMC Students ONLY, Should be taken only after all other required, classes are completed.

IMC 481 - INTERNATIONAL MARKETING CULTURES
Course consists of a 12-14 day study excursion abroad. Students will engage in a focused, intensive, university- and culturally-based learning experience. Participate in lectures/discussions conducted both by RU and host-institution faculty, make site visits to a specific businesses/organizations, the agencies providing its marketing communications services, and other relevant locations to examine the character and scope of consumers and IMC practices in the featured country.
Credits: 3-6
Attributes: Travel Based Study
Prerequisites: IMC 401 or MKTG 406
Course Notes: Faculty-led International Travel.

IMC 485 - INFLUENCER MARKETING
Influencer Marketing is about building relationships between brands and influencers. The influencer promotes the brand's products or services to his/her followers on social media (Facebook, Snapchat, Instagram) and digital media channels such as blogs, v-logs, articles and reviews. Students in this course will study the ethics of influencer marketing and learn how to identify and build relationships to engage influencers in promoting brand products and messages to followers.
Credits: 3
Prerequisites: IMC 446

IMC 486 - LEADING EDGE OF MARKETING COMMUNICATION
Designed to enhance student preparation for careers in various Media Marketing and IMC fields. This two-week summer intensive course includes one week of travel to meet with leading IMC professionals in New York followed by one week of in-class group work developing brand engagement programs using leading edge marketing communications tools and techniques.
Credits: 3
Attributes: Travel Based Study
Prerequisites: IMC 409 or MKTG 406
Course Notes: This is a faculty-led travel course. Click red CRN for detailed course description.

IMC 489 - PRINCIPLES OF INTERNET MCOM
Case studies expose the theory and practice behind current web, intranet, and interactive marketing strategies. All tools and techniques of this and other emerging technologies. Hands-on experience with computer applications. Internet and Intranet applications, fundamentals of web site design, and multimedia presentations.
Credits: 3
Prerequisites: IMC 446 (may be taken concurrently)
Course Notes: No more than one Principles elective, may be taken concurrently with IMC 446.
IMC 491 - INTERNATIONAL IMC STUDY EXP
This is a faculty-led international study trip that takes place over spring break during the spring term. Meetings before the trip are required; students must complete an application in the Office of International Programs and pay a deposit for the trip before registering.
Credits: 3
Attributes: Travel Based Study
Prerequisites: (IMC 401 or MKTG 406) and IMC 409 and IMC 453 (may be taken concurrently)
Course Notes: Click red CRN on the online schedule for details on the current version of this international travel course.

IMC 493 - PRACTICUM
On-the-job independent study for students employed full-time in marketing communications. Requirements include a paper that is either an assessment of the student’s employment position or a report on a special communications project assigned by the student's employer.
Credits: 3
Course Notes: Completion of 6 required courses and consent of designated, faculty supervisor

IMC 495 - INDEPENDENT STUDY
Credits: 1-3
Prerequisites: IMC 446

IMC 499 - GRADUATE INTERNSHIP
In-service training with a profession marketing or media operations. Students must successfully complete academic reflections and evaluations during their internship term, in addition to working a total of 225 hours, to receive credit for the internships.
Credits: 3
Prerequisites: IMC 446 (may be taken concurrently)
Course Notes: Completion of six IMC courses and consent of designated, faculty supervisor.

IMC 499P - THE PROFESSIONAL INTERNSHIP
Approval of internship coordinator required. This course is designed for students preparing to take the internship course for full (3 hours) credit. Covers internship search strategies, resume preparation, interviewing skills.
Credits: 0
Course Notes: IMC 499P students need six MSIMC courses; IMC 399P students need IMC 302 and 303; JMS students need JMS 220.

IMC 499Y - INTERNSHIP CONTINUATION
Students must register for IMC 499Y when their internship extends beyond the end of the term of original registration. IMC 499Y is also available as a 'zero-credit internship' option for students who do not need to earn internship credit.
Credits: 0
Prerequisites: IMC 499
MANAGEMENT (MGMT)

MGMT 402 - BUSINESS ANALYSIS
This course provides the fundamental concepts of business analysis that are essential to the practice and further advanced study in the field. The course will cover the International Institute of Business Analysis BABOK® knowledge areas, business analysis skills and techniques. Topics will include business analysis planning and monitoring, elicitation, requirements management and communication, enterprise analysis, requirements analysis, solution assessment and validation. Cross-listed with INFS 402.
Credits: 3
Prerequisites: INFS 401

MGMT 403 - STATISTICS FOR BUSINESS DECISIONS
Covers quantitative techniques used in human resource management, market research, operations management, I/O psychology and other business research arenas. Students are provided both a conceptual understanding of the various statistical tests available and the ability to interpret the results of quantitative analyses which support decision-making in a business context. Topics include problem analysis, research design, data presentation, probability, regression analysis, statistical inference, and other related techniques. Cross-listed with ECON 436.
Credits: 3

MGMT 405 - SOCIAL ENTREPRENEURSHIP I: CREATING THE VISION
This course is for students who will found or lead businesses that also have a social mission, or will advise or work with social entrepreneurs, as they seek to jointly create social and business value. It is the goal of this course to prepare students to lead companies that have embedded social missions and to engage various stakeholders that are at the nexus of business and social value. Cross-listed with SENT 405.

MGMT 406 - SOCIAL ENTREPRENEURSHIP II: IMPLEMENTATION
In Social Entrepreneurship II, we actually become social entrepreneurs by studying the everyday structural, legal and financial challenges associated with launching a business enterprise in its efforts to create social impact. Students will take their business model from Social Entrepreneurship I, and further develop it by performing additional market research, prototyping and practicing continuous investor initiatives. Students will work through issues of market analysis, technology viability assessment, competitive positioning, team building, product life cycle planning, marketing strategy and financing, with a major emphasis on learning how to attract investment capital. Cross-listed with SENT 406.
Credits: 3
Prerequisites: MGMT 405 or SENT 405

MGMT 407 - EXECUTIVE LEADERSHIP
Principles of organization required for successful management and the ability to lead subordinates. Topics include employee motivation, leadership theories, ethics, decision making, conflict management, group dynamics, power and politics, and organization culture.
Credits: 3

MGMT 421 - OPERATIONS MANAGEMENT
Managerial issues in operations including management of technology, operations strategy for both manufacturing and service industries, and management for quality. Case studies.
Credits: 3
Prerequisites: MGMT 403

MGMT 423 - PEOPLE MANAGEMENT AND ORGANIZATIONAL BEHAVIOR
This course integrates people management, organizational behavior, and leadership so that the students gain an advanced understanding of how to move an organization to sustained success based on a richer understanding of these issues leading to greater alignments with business strategies and goals and ongoing environmental and other challenges. This course is critical in understanding how to effectively acquire and manage human capital in an organization to improve organizational performance. It provides insights into attaining higher productivity, effectiveness, efficiency and, in general, good citizenship and reducing dysfunctional behavior.
Credits: 3
Course Notes: This course was formerly BEHAVIORAL SCI SYST FOR MGMT

MGMT 432 - LABOR AND EMPLOYEE RELATIONS
Course focuses on both unionized and non-unionized employee relations. Labor relations portion focuses on labor law, union structures, collective bargaining process, collective bargaining agreement features, grievance handling, analysis of labor-management conflict, and conflict resolution options. Non-union employee relations portion focuses on developing policies designed to create a productive, supportive work environment for employees, specifically examining how employees and supervisors resolve conflicts and communicate to achieve a climate that enhances performance. Cross-listed with HRM 432.
Credits: 3
Prerequisites: HRM 400

MGMT 440 - BUSINESS PLAN & STRATEGY NEW VENTURES
Applied course in entrepreneurship. Selection and evaluation of a specific business concept; research into industry trends, competition, and the target market; marketing strategies. The completed business plan is presented in written and oral forms.
Credits: 3-18
Prerequisites: MKTG 406

MGMT 452 - INTERNATIONAL BUSINESS ENVIRONMENT ANALYSIS
International business environments inside and outside firms operating in several nations. Analysis of international economic, political, and cultural forces as they relate to marketing, financial, and manpower functions.
Credits: 3
Prerequisites: ECON 403

MGMT 453 - INTERNATIONAL MANAGEMENT & LEADERSHIP
The role that national culture plays in managing people and developing managerial systems at the multination and global level. How different national/regional cultures affect issues such as employee motivation, teams and group dynamics, leadership, negotiation and conflict resolution, communication patterns, and approaches to organizational change.
Credits: 3
Prerequisites: MGMT 407

MGMT 470 - ORGANIZATIONAL CHANGE AND DEVELOPMENT
Managerial and strategic issues involved with implementing innovation and change in contemporary business organizations. The entire change process from problem diagnosis and needs assessment through evaluation. Models of change and techniques for change at the individual, departmental, and organizational levels; managing resistance to change.
Credits: 3
Prerequisites: MGMT 407
MGMT 473 - SPECIAL TOPICS IN STRATEGIC MANAGEMENT
A one-credit course that explores a special topic within the field of strategic management. Students will complete up to three special topics seminars, each focusing on a different topic. Guest lecturers will speak on their areas of expertise.
Credits: 1
Course Notes: Consent of Instructor

MGMT 488 - PROJECT MANAGEMENT
Applied approach to the study of project management. An integrative framework for understanding principles and practices of project management, including origins, applications, and philosophy. The role of project management in organizations; the use of teams in and implementation of project management practices. Cross-listed with INFS 488.
Credits: 3
Prerequisites: INFS 401

MGMT 489 - STRATEGIC MANAGEMENT -- SINGLE BUSINESS ORGANIZATIONS
Strategy in the context of a total enterprise from the standpoint of top management. Students will determine organizational mission and objectives, analyze the company and the industry, and balance the tensions between strategy and social responsibility, strategy and competitive advantage, and strategy and various forms of diversification. Cases cover large, small, profit, and nonprofit single business organizations. This course should be taken near the end of the MBA program as it requires decision-making based on prior graduate studies.
Credits: 3
Prerequisites: ACCT 405 and FIN 408 and MGMT 403 and MKTG 406

MGMT 491 - SPECIAL TOPICS IN MANAGEMENT
All organizations are faced with the challenge of reinventing themselves or facing failure. This course examines the factors driving rapid organizational change and shows how change management and innovation strategies can be used in such cases. It provides details to meet the challenges of organization change and uncertainty. It also provides methods to garner support while implementing change and on how to embed changes once implemented.
Credits: 1-3

MGMT 492 - PROFESSIONAL MANAGEMENT INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to graduate business program.
Credits: 1-3
Course Notes: Internship requirements vary by assignment, consent is, required by the instructor.

MGMT 495 - MANAGEMENT INDEPENDENT STUDY
Intensive study of a management topic under the direction of a management faculty member. Project is selected by the student with approval of the supervising faculty member, department chair, and dean.
(1-3)
Credits: 1-3
Course Notes: Consent of Instructor and Academic Head

MGMT 496 - MANAGEMENT INDEPENDENT STUDY
Credits: 1-3
Course Notes: Consent of Instructor and Academic Head

MGMT 505 - ETHICS AND COMMUNICATION
This course explores vital management, ethical and communication issues in today's business environment. Students develop skill in communicating among internal and external constituents, composing effective professional correspondence and presentations, facilitating discussions, negotiation and making responsible decisions. Students will exercise these skills through research, debate, negotiation, role-play and presentations.
Credits: 3

MGMT 508 - RESEARCH STATS
This course applies statistics to practical business situations. Students will make and support decisions based on responsibly manipulated statistical data, data analysis, probability, hypothesis testing, analysis of variance, correlations analysis and multiple regression models. Emphasis will be placed on the application of these techniques to practical problems in business through the use of standard statistical software. (Prerequisite: BUS 501)
Credits: 3
Prerequisites: BUS 501

MGMT 540 - MGT DIVERSE ORG
Students will learn to recognize diverse points of view and appreciate the many ways that a diverse workforce can enhance an organization's effectiveness, improve work relationships, and maximize both individual and group contributions. Through guest speakers, media, and cases, students will have the opportunity to explore attitudes about all aspects of diversity including race, gender, religion, sexual preference, age, disability and culture. Sources of power, influence, culture and ethics will be analyzed for their effect on an organization. Students will examine advanced managerial and leadership principles to improve work relationships with both individuals and groups in a multicultural society.
Credits: 3
Prerequisites: BUS 501

MGMT 545 - LEADERSHIP PR&TH
This course examines leadership concepts and theories underlying relationships with the leader, followers and situations. Through various evaluative instruments, students will analyze their own leadership styles and competencies and receive feedback on observable behaviors and styles. This course further examines some of the most pressing issues facing today's organizational leaders. Using a systems perspective, students will examine contextual and operational issues such as social responsibility, ethical climate, diversity, globalization, performance measures, and strategic planning that challenge today's leaders. Through extensive readings, discussions, individual and group projects, students will develop a comprehensive leadership perspective, an appreciation of the complex leadership environment facing contemporary leaders, and a sense of their own abilities for future success.
Credits: 3

MGMT 550 - ORGANIZ DESIGN
This course focuses on the assessment and alignment of organizational strategy, structure, technology, size and culture and their effect on organizational change. Through case studies and discussion, students will analyze the fit between an enterprise's internal and external environments. Students will review and evaluate change strategies, including initiating change, gaining commitment, overcoming resistance and maintaining momentum to improve the effectiveness of work groups and organizations.
Credits: 3
MGMT 554 - MGT CONSULTING
This course provides for the essential management consulting competencies needed by management professionals in the 21st century business workplace. Skills in developing human capital, utilizing relationship interaction and coaching, employee training and development techniques, and promoting competitive strategies through HR initiatives are the main topics covered. The course will address these topics, processes and dynamics through the framework of performance consulting and consulting model and application.
Credits: 3

MGMT 555 - LEG ISSUES HRM
This course examines the various federal, state and local laws, regulations and executive orders as they affect the human resource function including equal employment opportunity, affirmative action, wage/overtime payment, employment agreements, union-management labor relations, employee rights and other restrictions on management actions. Emphasis will be placed on maintaining compliance with these laws and developing proactive practices to avoid costly litigation.
Credits: 3

MGMT 556 - COMPENS BENIF
Compensation and benefits explores the strategic importance of a well-structured total compensation package in attracting, motivating and retaining key employees. The use of pay systems as a strategic tool for improving organizational effectiveness and the introduction and maintenance of a sound performance management system including performance appraisal methods and management training will be thoroughly discussed. In addition, the financial administrative and legal implications of benefit plans will be discussed.
Credits: 3

MGMT 557 - EMP RECRUIT
This course focuses on developing a strategic plan for providing an organization with the human resources needed to achieve corporate goals. The plans, policies and procedures needed for short- and long-range human resource planning, recruitment, selection and retention will be examined. The importance of training and development in enhancing organizational effectiveness and employee retention will be explored. In addition, this course will look at the effects of layoffs, downsizing and employee separations on the morale of an organization.
Credits: 3

MGMT 560 - OPERAT MGT
OPERAT MGT
Credits: 3

MGMT 585 - GRAD INTERNSHIP
The Graduate Internship is a capstone experience intended to help students integrate coursework with the practice of administration and to reflect on their own development as professionals. Students work under the supervision of university faculty and a cooperating administrator at the internship site.
Credits: 3

MGMT 590 - COMPETE GLOBAL
This is a cross-disciplinary course that examines the challenges in formulating effective competitive strategy. Students will learn to anticipate industry changes when formulating and implementing strategy and balance opportunities and risks associated with dynamic changes in industry. Special emphasis will be placed on developing a strategic plan that focuses on industry analysis, strategic positioning, competitive dynamics, and global planning. Students will participate in the simulation that explores why good strategic management leads to good business performance, presents the basic concepts and tools of strategic analysis, and drills students in the methods of crafting a well-conceived strategy and executing it competently. This course will focus on solving domestic and international business problems from the senior management perspective. This course emphasizes the use of group decision-making, self-directed work teams, and formal group reports and presentations. (Prerequisite: Final Quarter or Dean's consent)
Credits: 3

MGMT 591 - CONTEMPORARY MGT
This is an interdisciplinary project-oriented course consisting of a thorough examination of current management philosophies and practices in today's environment. Students will learn to identify and anticipate opportunities and risks in their industries of interest. Students from different professions, disciplines and backgrounds will work together for mastering necessary skills in conducting a SWOT analysis for formulating and implementing operational (functional) strategy for the students' specialization areas. Special emphasis is placed on preparing an experiential, creative deliverable that demonstrates the knowledge, critical thinking and production skills garnered from prior coursework. (Prerequisite: Final Quarter or Dean's consent)
Credits: 3

MGMT 598 - INDEPEND STUDY
This course is intended to give students the opportunity to deepen their understanding of an area of study or explore new areas not covered in the courses offered while earning graduate credits. While students do select their own topics of study, they must get the approval of the dean and a faculty member who will be supervising the study. Course can be repeated up to 12 hours.
Credits: 3
MARKETING (MKTG)

MKTG 406 - MARKETING STRATEGY: THEORY & PRACTICE
Foundation for understanding all basic concepts of marketing; organized on a managerial framework so that students can apply basic marketing concepts to decision making and managing marketing activities. Emphasis on practical application through the use of cases. Development of a conceptual marketing plan, given a specific set of market, product and environmental conditions.
Credits: 3

MKTG 425 - COMMUNICATION & CONSUMER BEHAVIOR
Internal and external forces influencing consumers' decision making. Current theories of consumer market behavior and marketing communication techniques.
Credits: 3
Prerequisites: MKTG 406

MKTG 426 - RESEARCH FOR MARKETING DECISIONS
Role of marketing research in contemporary marketing strategies. Relevant secondary information sources and techniques, such as focus groups. Experimental and other study designs; questionnaire development; data collection, processing, and analysis. Appropriate statistical techniques for data analysis.
Credits: 3
Prerequisites: MKTG 406

MKTG 440 - BUSINESS PLAN & STRATEGY NEW VENTURES
Applied course in entrepreneurship. Selection and evaluation of a specific business concept; research into industry trends, competition, and the target market; marketing strategies. The completed business plan is presented in written and oral forms.
Credits: 3
Prerequisites: MKTG 406

MKTG 456 - INTERNATIONAL MARKETING ANALYSIS
Extended case study of international marketing planning. Subtopics include overseas market selection, international aspects of demand analysis, product adaptation, channel selection, pricing behavior, promotion strategy, and organization. Export-import transactions, including transportation and logistics.
Credits: 3
Prerequisites: MKTG 406 or MGMT 452

MKTG 480 - SPECIAL TOPICS IN MARKETING
The development of new products (goods or services) is an intensive process. This course examines that process from the marketing perspective and identifies the key points of contact and influence with management, finance, organizational policy, and strategic planning. This course is very much concerned with ideas and how to select the best ideas and make them a reality, using strategies and tools that are considered best practices.
Credits: 3

MKTG 492 - PROFESSIONAL MARKETING INTERNSHIP
A supervised professional learning experience at a business or non-profit site. Must be arranged with internship coordinator and/or program director. Maximum of 3 credit hours can be applied to graduate business program.
Credits: 1-3
Course Notes: Internship requirements vary by assignment; consent is, required by the instructor.

MKTG 495 - MARKETING INDEPENDENT STUDY
Intensive study of a marketing topic under the direction of a marketing faculty member. Project is selected by the student with approval of the supervising faculty member, school director, and dean.
Credits: 1-3
Course Notes: Consent of Instructor and Academic Head

MKTG 520 - MKT MANAGEMENT
This course focuses on providing a framework that teaches students how to think about marketing as a process that creates value. The course will utilize the knowledge and skills of marketing, management, accounting, ethics, economics and finance. Students will deal with marketing situations in diverse industries and marketing environments. Marketing problems will be analyzed and resolved. Through case discussion, simulations, and team problem solving, students will experience the challenges and opportunities marketing managers encounter.
Credits: 3
MATHEMATICS (MATH)

MATH 409 - DATA MINING
Methods of knowledge discovery in massive data, i.e. the study of computer-assisted process of digging through and analyzing enormous data sets and then extracting the "meaning" of the data by applying mathematical methods. The methods that we study in this course are designed to predict behaviors and future trends based on existing data. Topics include classifications techniques, clusterization techniques, association rule discovery techniques, techniques for improving data quality. See CST 421.
Credits: 3
Course Notes: Math 246 and (Math 217 or Math 347)

MATH 416 - HISTORY OF MATHEMATICS
Evolution of mathematical ideas; major developments; problem solving, algorithms, and theoretical framework.
Credits: 3
Course Notes: MATH 231

MATH 418 - NUMBER THEORY
Study of integers. Division and Euclidean algorithms, prime numbers, unique factorization; Diophantine equations; congruences; Fermat's and Euler's theorems; quadratic reciprocity.
Credits: 3
Course Notes: MATH 231 or MATH 245 or MATH 290 required

MATH 420 - INTRODUCTION TO ABSTRACT ALGEBRA
Elementary properties of groups, rings, integral domains, and fields; symmetry; factorization of integers and polynomials; construction of quotient field of an integral domain.
Credits: 3
Course Notes: Math 245 and Math 246 required.

MATH 423 - COOPERATION AND COMPETITION - GAME THEORY AND APPLICATIONS
Study of the ways in which strategic interactions among autonomous agents produce outcomes with respect to the preferences (or utilities) of those agents. This course covers game-theoretic foundations of cooperative and non-cooperative behavior of independent agents. The course emphasizes applications drawn from artificial intelligence, decision theory, economics, psychology, business management and finance. See CST 423.
Credits: 3
Course Notes: Math 246 and (Math 245 or Math 217 or Math 448)

MATH 428 - LINEAR PROGRAMMING & OPTIM
Models of optimization with linear constraints and objectives; simplex method and related algorithms; duality and sensitivity; transportation and assignment problems; games and network flows. See also Cst 428.
Credits: 3
Course Notes: MATH 246

MATH 430 - NUMERICAL ANALYSIS
Solution of equations by iteration; interpolation; numerical differentiation and integration; numerical solutions to linear systems. Computer use course. See also Cst 330.
Credits: 3
Course Notes: MATH 232 and MATH 246

MATH 432 - OPERATIONS RESEARCH
Stochastic methods in operations research. Queuing theory; Markov processes; decision analysis; simulation; stochastic dynamic programming.
Credits: 3
Course Notes: Math 231, Math 217 or Math 347.

MATH 446 - STOCHASTIC PROCESSES
Poisson and renewal processes. Markov chains with applications to queuing theory, inventory control, and population growth.
Credits: 3
Course Notes: MATH 347

MATH 447 - ADVANCED PROBABILITY
Probability models; random variables; probability distributions; expectation and moment generating functions of random variables; multivariate distributions.
Credits: 3
Course Notes: MATH 347

MATH 448 - PROBABILITY AND STATISTICS II
Distributions of functions of random variables, sampling distributions; Central Limit Theorem; point estimators and confidence intervals; hypothesis testing; linear models.
Credits: 3
Course Notes: Math 347 or ACSC 347 with min grade C-

MATH 449 - REGRESSION & TIME SERIES
Simple and multiple linear regression models; time series analysis; applications to forecasting. Use of a statistical computer package; no previous experience with computers required.
Credits: 3
Course Notes: (MATH 231 and MATH 217) or MATH 348 or MATH 448

MATH 457 - ANOVA & EXPERIMENTAL DESIGN
One-way analysis of variance (ANOVA), multiple comparison methods, basic experimental designs, analysis of covariance (ANCOVA), factorial treatment structures, split plots, confounding and fractional replication in 2^k factorial systems.
Credits: 3
Course Notes: MATH 217 or MATH 348 or MATH 448 or MGMT 403

MATH 458 - THEORY OF INTEGRATION
The Lebesgue integral and its relation to the Riemann integral, convergence theorems, elements of measure theory.
Credits: 3
Prerequisites: MATH 469
Course Notes: or Math 369 or Acsc 369 with a min grade C-

MATH 469 - ACTUARIAL MATHEMATICS I
Survival distributions and life tables; life insurance; life annuities.
Credits: 3
Course Notes: MATH 246 and MATH 352

MATH 469 - ACTUARIAL MATHEMATICS I
Survival distributions and life tables; life insurance; life annuities.
Credits: 3
Course Notes: MATH 347 and MATH 367

MATH 470 - ACTUARIAL MATHEMATICS II
Benefit premiums; benefit reserves; multiple life functions; multiple decrement models.
Credits: 3
Prerequisites: MATH 469
Course Notes: or Math 369 or Acsc 369 with a min grade C-
MATH 475 - DERIVATIVES MARKETS
We will cover binomial option pricing, the Black-Scholes formula and equation, market-making and delta hedging, exotic options, the lognormal distribution, Monte Carlo valuation, Brownian motion and Itô's parity and other option relationships, volatility, interest rate models.
Credits: 3
Course Notes: MATH 367, FIN 311, or consent of Instructor.

MATH 476 - LOSS MODELS
Actuarial models; classifying and creating distributions; frequency and severity with coverage modifications; construction of empirical models; estimation for complete data; estimation for modified data; parameter estimation; interpolation and smoothing; simulation.
Credits: 3
Prerequisites: MATH 448 (may be taken concurrently)
Course Notes: or ACSC 348 or MATH 348.

MATH 477 - SURVIVAL MODELS
Survival data, survival functions, hazard functions, life tables, comparing two groups of survival data, parametric models of survival data, and sample size for survival studies.
Credits: 3
Prerequisites: ACSC 348 (may be taken concurrently) or MATH 348 (may be taken concurrently) or MATH 448 (may be taken concurrently)
Course Notes: or concurrent

MATH 478 - TOPICS IN ACTUARIAL MATH
Course content varies. Topics in actuarial models and actuarial modeling. May be repeated for credit for up to six semester hours.
Credits: 3
Course Notes: Consent of instructor.

MATH 480FM - ACTUARIAL SCIENCE SEMINAR
Preparation for the Society of Actuaries Exam FM and the Casualty Actuarial Society Exam 2.
Credits: 3
Course Notes: MATH 367

MATH 480P - ACTUARIAL SCI SEM: EXAM P/1
Preparation for the Society of Actuaries Exam P and the Casualty Actuarial Society Exam 1.
Credits: 3
Prerequisites: MATH 448 (may be taken concurrently)
Course Notes: MATH 347

MATH 488 - SPECIAL TOPICS
Course content varies. May be repeated for up to nine semester hours. This topics course may not be cross-listed with undergraduate coursework.
Credits: 1-3
Course Notes: Prerequisites vary by topics.

MATH 489 - SPECIAL TOPICS
Course content varies. May be repeated for up to nine semester hours.
Credits: 3

MATH 490 - MASTER'S THESIS
Individual projects pursued under an instructor's supervision.
Credits: 3

MATH 491 - INDUSTRIAL APP OF MATH
Students work on a semester long research project solving a real world problem from industry using various methods of mathematical modeling. Problems vary by semester.
Credits: 3
Course Notes: Open to graduate students in Mathematics, Actuarial Science, or related fields.

MATH 495 - INDEPENDENT STUDY
Individual projects pursued under an instructor's supervision.
Credits: 1-6
Course Notes: Consent of instructor

MATH 500 - GRAD BIOSTATS
GRAD BIOSTATS
Credits: 3

MATH 505 - RESEARCH DESIGN
RESEARCH DESIGN
Credits: 3
MUSIC ACADEMIC STUDIES (MAS)

MAS 401 - STYLE AND LITERATURE
Exploration of essential concepts of style, criticism, analysis, and interpretation, by engaging with a wide range of topics approached through diverse perspectives. Development and presentation of interpretive analytical strategies; written analytical and interpretive reflections both on published scholarship and self-designed musical topics.
Credits: 3
Course Notes: Prerequisite: Placement

MAS 445 - SEMINAR IN OPERA
Exploration of special topics in the operatic repertory.
Credits: 3
Prerequisites: MAS 401 (may be taken concurrently)

MAS 461 - SCHENKERIAN ANALYSIS
Study of the reductive analytic technique of Heinrich Schenker and its application to tonal music of the 18th and 19th centuries through primary and secondary sources and independent and directed analysis. Significant critiques of the method; application to pre- and post-tonal music; the relevance of reductive analysis to performance.
Credits: 3
Prerequisites: MAS 401 (may be taken concurrently)

MAS 471 - SEMINAR IN EARLY MUSIC
Exploration of special topics in music to 1750.
Credits: 3
Prerequisites: MAS 401 (may be taken concurrently)

MAS 472 - SEMINAR: CLASSIC ERA
Exploration of special topics in music of the Classic period.
Credits: 3
Prerequisites: MAS 401 (may be taken concurrently)

MAS 473 - SEMINAR: ROMANTIC ERA
Exploration of special topics in Romantic music.
Credits: 3
Prerequisites: MAS 401 (may be taken concurrently)

MAS 474 - SEMINAR: TOPICS IN MUSIC 1900-1950
Exploration of Special Topics in music 1900-1950
Credits: 3
Prerequisites: MAS 401 (may be taken concurrently)

MAS 475 - SEMINAR: MUSIC SINCE 1950
Exploration of special topics in music since 1950.
Credits: 3
Prerequisites: MAS 401 (may be taken concurrently)

MAS 480 - SPECIAL TOPICS IN MUSIC
Exploration of special topics or repertories.
Credits: 3
Prerequisites: MAS 401 (may be taken concurrently)

MAS 495 - INDEPENDENT STUDY
Independent Study.
Credits: 1-3
MUSIC: BASSOON (BSSN)

BSSN 401 - BASSOON (MINOR)
Study of required repertory and technique.
Credits: 2
Course Notes: Dept. consent

BSSN 402 - BASSOON (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: BSSN 401
Course Notes: or placement

BSSN 411 - BASSOON (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Course Notes: Dept. consent

BSSN 412 - BASSOON (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: BSSN 411
Course Notes: or placement

BSSN 413 - BASSOON (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: BSSN 412
Course Notes: or placement

BSSN 414 - BASSOON (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: BSSN 413
Course Notes: or placement

BSSN 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1
Prerequisites: BSSN 412 (may be taken concurrently)
Course Notes: (may be concurrent)

BSSN 451 - BASSOON MAJOR
Study of required repertory and technique.
Credits: 2-6
Course Notes: Dept. consent

BSSN 452 - BASSOON MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: BSSN 451

BSSN 453 - BASSOON MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: BSSN 452

BSSN 454 - BASSOON MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: BSSN 453
MUSIC: CLARINET (CLAR)

CLAR 401 - CLARINET (MINOR)
Study of required repertory and technique.
Credits: 2

CLAR 402 - CLARINET (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: CLAR 401

CLAR 411 - CLARINET (MAJOR)
Study of required repertory and technique.
Credits: 3,4

CLAR 412 - CLARINET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: CLAR 411

CLAR 413 - CLARINET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: CLAR 412

CLAR 414 - CLARINET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: CLAR 413

CLAR 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Prerequisites: CLAR 412

CLAR 451 - CLARINET MAJOR
Study of required repertory and technique.
Credits: 2-6
Course Notes: Dept. consent

CLAR 452 - CLARINET MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: CLAR 451

CLAR 453 - CLARINET MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: CLAR 452

CLAR 454 - CLARINET MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: CLAR 453
MUSIC COMPOSITION (MCMP)

MCMP 401 - SUMMER COMPOSITION INSTITUTE
The Summer Composition Institute offers an opportunity for young composers to write both acoustic and electro-acoustic music. The program includes private lessons with composition faculty, lectures on various topics from form/analysis to electro-acoustic music technique, seminars on professional development and professionalism for musicians, reading sessions with faculty musicians, and performances of student works.
Credits: 2
Course Notes: Ability to read and notate music required.

MCMP 411 - GRADUATE COMPOSITION I
Creative work in larger forms; may be directed toward electroacoustic composition.
Credits: 4

MCMP 412 - GRADUATE COMPOSITION II
Creative work in larger forms; may be directed toward electroacoustic composition.
Credits: 4

MCMP 413 - GRADUATE COMPOSITION III
Creative work in larger forms; may be directed toward electroacoustic composition.
Credits: 4

MCMP 414 - GRADUATE COMPOSITION IV
Creative work in larger forms; may be directed toward electroacoustic composition.
Credits: 4

MCMP 425 - COMPOSING: ART AND PROCESS
This course is designed to help individual musicians to learn music composition in its beginning stages; smaller forms of composition, emphasizing motivic transformation, rhythmic organization, and structural principles. Students will develop a familiarity with various instruments and learn how to compose an effective piece with a limited amount of musical material. Students will complete three composition projects and three listening assignments.
Credits: 3
Course Notes: Previously offered as 'COMPOSING I

MCMP 490 - THESIS
A 10-15 minute work for electroacoustic media or at least 10 performers, according to departmental requirements.
Credits: 2
MUSIC: ELECTRIC GUITAR (EGUI)

EGUI 473 - JAZZ GUITAR MAJOR
Credits: 2-6
Prerequisites: EGUI 472
MUSIC ENSEMBLE (ENS)

ENS 402 - SYMPHONY ORCHESTRA
Performance of major works for symphony and/or chamber orchestra.
Credits: 1
Course Notes: Must audition

ENS 402Y - SYMPHONY ORCHESTRA
Performance of major works for symphony and/or chamber orchestra.
Credits: 0
Course Notes: Must audition.

ENS 404 - BRASS ENSEMBLE
Performance of major works for brass ensemble.
Credits: 1
Course Notes: Must audition.

ENS 404Y - BRASS ENSEMBLE
Performance of major works for brass ensemble.
Credits: 0
Course Notes: Departmental approval

ENS 405 - CHAMBER MUSIC (PIANO)
Study, rehearsal and performance of works from the keyboard chamber music repertory (two piano, four-hand, or mixed instrumentation).
Credits: 1
Prerequisites: PIA 412 or PIA 451
Course Notes: Departmental approval

ENS 405Y - CHAMBER MUSIC (PIANO)
Study, rehearsal and performance of works from the keyboard chamber music repertory (two piano, four-hand, or mixed instrumentation).
Credits: 0
Course Notes: Departmental approval

ENS 406 - CHAMBER MUSIC (WINDS/BRASS)
Study, rehearsal and performance of works from the wind/brass chamber music repertory.
Credits: 1
Course Notes: Departmental approval. Applied instrument 411 or 451, required.

ENS 406Y - CHAMBER MUSIC (WINDS/BRASS)
Study, rehearsal and performance of works from the wind/brass chamber music repertory.
Credits: 0

ENS 407 - CHAMBER MUSIC (STRINGS)
Study, rehearsal and performance of works from the string chamber music repertory.
Credits: 1
Course Notes: Departmental approval. Applied instrument 411 or 451, required.

ENS 407Y - CHAMBER MUSIC (STRINGS)
Study, rehearsal and performance of works from the string chamber music repertory.
Credits: 0

ENS 408 - PERCUSSION ENSEMBLE
Study, rehearsal and performance of works from the percussion chamber music repertory.
Credits: 1
Course Notes: Departmental approval. Applied instrument 411 or 451, required.

ENS 408Y - PERCUSSION ENSEMBLE
Study, rehearsal and performance of works from the percussion chamber music repertory.
Credits: 0
Course Notes: Departmental approval. Applied instrument 411 or 451, required.

ENS 409 - CLASSICAL GUITAR ENSEMBLE
Study and performance of literature for guitar duo, trio, and quartet, as well as combinations with other instruments/voice.
Credits: 1
Course Notes: Departmental approval

ENS 411 - LARGE INSTRUMENTAL ENSEMBLE
Performance of major works for orchestra and wind ensemble.
Credits: 1
Course Notes: Must audition.

ENS 411Y - LARGE ENSEMBLE PARTICIPATION
Performance of major works for orchestra and wind ensemble.
Credits: 0

ENS 417 - STRING QUARTET STUDY
Development, study, and mastery of an annual selection of varied programs for use in performing venues both at CCPA and for outside engagements, along with a programming philosophy for various situations.
Credits: 2
Course Notes: Prerequisites: Applied Music 451 (may be concurrent), Open only to students in the PD/Chamber Music Program.
MUSIC: FLUTE (FLT)

FLT 401 - FLUTE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Dept. consent

FLT 402 - FLUTE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: FLT 401 or placement

FLT 404 - FLUTE (MINOR)
Credits: 2
Attributes: Humanities
Course Notes: FLT 403 or placement

FLT 411 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

FLT 412 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FLT 411
Course Notes: or placement

FLT 413 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: FLT 412
Course Notes: or placement

FLT 414 - FLUTE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: FLT 413 or placement

FLT 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Attributes: Humanities
Prerequisites: FLT 412
Course Notes: FLT 412 (may be concurrent)

FLT 451 - FLUTE MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities

FLT 452 - FLUTE MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: FLT 451

FLT 453 - FLUTE MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: FLT 452

FLT 454 - FLUTE MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: FLT 453
MUSIC: FRENCH HORN (FRHN)

FRHN 401 - FRENCH HORN (MINOR)
Study of required repertory and technique.
Credits: 2
Course Notes: Dept. consent

FRHN 402 - FRENCH HORN (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: FRHN 401
Course Notes: or placement

FRHN 411 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Course Notes: Dept. consent

FRHN 412 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: FRHN 411
Course Notes: or placement

FRHN 413 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: FRHN 412
Course Notes: or placement

FRHN 414 - FRENCH HORN (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: FRHN 413

FRHN 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Prerequisites: FRHN 412 (may be taken concurrently)
Course Notes: (may be concurrent)

FRHN 451 - FRENCH HORN MAJOR
Study of required repertory and technique.
Credits: 2-6
Course Notes: Dept. consent

FRHN 452 - FRENCH HORN MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: FRHN 451

FRHN 453 - FRENCH HORN MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: FRHN 452

FRHN 454 - FRENCH HORN MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: FRHN 453
MUSIC : GUITAR (GUIT)

GUIT 400 - PERFORMANCE CLASS
Weekly performances and related topics presented by peers, guests, and faculty. Required of all guitar majors every semester.
Credits: 0
Attributes: Humanities

GUIT 401 - GUITAR (MINOR)
Performance of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Dept. consent

GUIT 402 - GUITAR (MINOR)
Performance of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 401
Course Notes: or placement

GUIT 403 - GUITAR (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 402
Course Notes: or placement

GUIT 404 - GUITAR (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: GUIT 403
Course Notes: or placement

GUIT 411 - GUITAR (MAJOR)
Credits: 2-6
Attributes: Humanities
Course Notes: Dept. consent

GUIT 412 - GUITAR (MAJOR)
Performance of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: GUIT 411
Course Notes: or placement

GUIT 413 - GUITAR
Performance of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: GUIT 412
Course Notes: or placement

GUIT 414 - GUITAR
Performance of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: GUIT 413

GUIT 415 - JURY (GRAD)
Credits: 2
Attributes: Humanities

GUIT 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Attributes: Humanities
Prerequisites: GUIT 412 (may be taken concurrently)
Course Notes: or concurrent.
MUSIC: HARP (HARP)

HARP 400 - HARP PERFORMANCE CLASS
Performance of selected repertory for peers and faculty. Required for
Harp majors every semester in residence.
Credits: 0

HARP 411 - HARP (MAJOR)
Performance of required repertory and technique.
Credits: 2-4
Course Notes: Dept. consent

HARP 412 - HARP (MAJOR)
Performance of required repertory and technique.
Credits: 2-4
Prerequisites: HARP 411
Course Notes: or placement

HARP 413 - HARP (MAJOR)
Performance of required repertory and technique.
Credits: 2-4
Prerequisites: HARP 412
Course Notes: or placement

HARP 414 - HARP (MAJOR)
Performance of required repertory and technique.
Credits: 2-4
Prerequisites: HARP 419

HARP 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1
Prerequisites: HARP 412
Course Notes: (may be concurrent)

HARP 451 - HARP MAJOR
Performance of required repertory and technique.
Credits: 2-6
Course Notes: Dept. consent

HARP 452 - HARP MAJOR
Performance of required repertory and technique.
Credits: 2-6
Prerequisites: HARP 451

HARP 453 - HARP MAJOR
Performance of required repertory and technique.
Credits: 2-6
Prerequisites: HARP 452

HARP 454 - HARP MAJOR
Performance of required repertory and technique.
Credits: 2-6
Prerequisites: HARP 453
MUSIC HISTORY & LITERATURE (MUHL)

MUHL 421 - PERFORMANCE PRACTICE 1600-1800
Ideas and conventions associated with the performance of older music, specifically that of the 17th and 18th centuries. Begins with the vocal 'Seconda Pratica' and its instrumental outgrowths and continues through the music of Haydn and Mozart, highlighting stylistic changes that relate to composition and performance through study of important documents and instructional materials from the periods.
Credits: 3

MUHL 422 - PERFORMANCE PRACTICE SINCE 1800
Issues of performance practice from the beginning of the 19th century throughout the Romantic period until the age of recording. The ascendancy of legato as the chief mode of musical articulation will be introduced through works of Beethoven and Clementi, continuing to the early 20th century with early recordings of the music of Puccini and others.
Credits: 3

MUHL 495 - INDEPENDENT STUDY
Individual research under departmental guidance on problems of specific interest to student. (1-3)
Credits: 1-6
Course Notes: Consent of instructor
MUSIC: OBOE (OBOE)

OBOE 401 - OBOE (MINOR)
Study of required repertory and technique.
Credits: 2
Course Notes: Dept. consent

OBOE 402 - OBOE (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: OBOE 401
Course Notes: or placement

OBOE 411 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Course Notes: Dept. consent

OBOE 412 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: OBOE 411
Course Notes: or placement

OBOE 413 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: OBOE 412
Course Notes: or placement

OBOE 414 - OBOE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: OBOE 413
Course Notes: or placement

OBOE 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Prerequisites: OBOE 412 (may be taken concurrently)
Course Notes: may be concurrent

OBOE 451 - OBOE MAJOR
Study of required repertory and technique.
Credits: 2-6
Course Notes: Dept. consent

OBOE 452 - OBOE MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: OBOE 451

OBOE 453 - OBOE MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: OBOE 452

OBOE 454 - OBOE MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: OBOE 453
MUSIC PEDAGOGY (MPE)

MPE 430 - ADVANCED PIANO PEDAGOGY
Teaching approaches for adult students, beginning through advanced levels. Instructional techniques for group piano classes (including working in a digital piano lab). Study and evaluation of piano literature and methods. Curriculum planning for class instruction.
Credits: 3

MPE 495 - INDEPENDENT STUDY
Credits: 1-3
MUSIC: PERCUSSION (PER)

PER 400 - PERCUSSION PERFORMANCE CLASS
Performance of repertoire for an audience of peers and faculty. Required of all percussion majors every semester.
Credits: 0
Course Notes: Consent required.

PER 401 - PERCUSSION (MINOR)
Study of required repertory and technique.
Credits: 2
Course Notes: Dept. consent

PER 402 - PERCUSSION (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: PER 401
Course Notes: Dept. consent

PER 411 - PERCUSSION (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Course Notes: Dept. consent

PER 412 - PERCUSSION (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: PER 411
Course Notes: or consent of department

PER 413 - PERCUSSION (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: PER 412
Course Notes: or placement

PER 414 - PERCUSSION (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: PER 413
Course Notes: or placement

PER 420 - SOLO RECITAL
Public performance of advanced repertory.
Credits: 1-2
Prerequisites: PER 412 (may be taken concurrently)
Course Notes: may be concurrent.

PER 451 - PERCUSSION MAJOR
Study of required repertory and technique.
Credits: 2-6
Course Notes: Dept. consent

PER 452 - PERCUSSION MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: PER 451

PER 453 - PERCUSSION MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: PER 452

PER 454 - PERCUSSION MAJOR
Study of required repertory and technique.
Credits: 2-6
Prerequisites: PER 453
MUSIC PERFORMANCE (PERF)

PERF 387 - GRADUATE DICTION REVIEW: ENGLISH/GERMAN
Review of principles of English and German diction for singers and use of the International Phonetic Alphabet. No credit toward MM degree.
Credits: 2
Course Notes: By placement.

PERF 400 - PRIVATE APPL MUS (GR)
Private study in the major area for graduate students.
Credits: 2-4
Course Notes: Dept. Instr. consent; Co-req. ELP 70's/80's Level

PERF 401 - ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTORY I
Intensive study of technically and musically demanding orchestral excerpts with emphasis on preparation for professional auditions.
Credits: 1-2
Prerequisites: PERF 401

PERF 402 - ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTORY II
Intensive study of technically and musically demanding orchestral excerpts with emphasis on preparation for professional auditions.
Credits: 1-2
Prerequisites: PERF 401

PERF 403 - ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTORY III
Advanced Study and Performance of Orchestral Repertory III.
Credits: 1-2
Prerequisites: PERF 402

PERF 404 - ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL REPERTOIRE IV
Intensive study of technically and musically demanding orchestral excerpts with emphasis on preparation for professional auditions.
Credits: 1-2
Prerequisites: PERF 403

PERF 405 - ORCHESTRAL AUDITION WORKSHOP
For orchestral studies majors at the master's and diploma levels.
Performance of required materials (excerpts, solo pieces, sight reading) for a panel of faculty in a formal audition setting.
Credits: 2
Course Notes: Dept. consent

PERF 411 - ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL EXCERPTS I
Intensive study of technically and musically demanding orchestral excerpts with emphasis on preparation for professional auditions.
Credits: 1-2

PERF 412 - ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL EXCERPTS II
Intensive study of technically and musically demanding orchestral excerpts with emphasis on preparation for professional auditions.
Credits: 1-2
Prerequisites: PERF 411

PERF 413 - ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL EXCERPTS III
Intensive study of technically and musically demanding orchestral excerpts with emphasis on preparation for professional auditions.
Credits: 1-2
Prerequisites: PERF 412

PERF 414 - ADVANCED STUDY AND PERFORMANCE OF ORCHESTRAL EXCERPTS IV
Intensive study of technically and musically demanding orchestral excerpts with emphasis on preparation for professional auditions.
Credits: 1-2
Prerequisites: PERF 413

PERF 418 - SOLO PERFORMANCE
For diploma-level students. Public performance in a recital setting.
Program may consist entirely of solo literature or may be a combination of solo and chamber works.
Credits: 2
Course Notes: Dept. consent

PERF 419 - INTRODUCTION TO HISTORICAL KEYBOARD INSTRUMENTS
Introduction to the harpsichord, clavichord, and (Viennese) fortepiano. Technical issues, registration, ornamentation, improvisation, and other specific topics. Survey of literature and genres.
Credits: 3

PERF 420 - MM ORCHESTRAL EXCERPTS JURY
Performance of orchestral excerpts for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in PERF 401,402,403, or 404.

PERF 421 - PROFESSIONAL DIPLOMA ORCHESTRAL EXCERPTS JURY
Performance of orchestral excerpts for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in PERF 411,412,413, or 414.

PERF 423 - ORCHESTRAL SEMINAR I
Preparation for a career as an orchestral musician. Ethics of professional life; organizational governance and committee structures; contracts; self-promotion and professional management; physical and psychological aspects of injury prevention; commercial music opportunities; other relevant topics.
Credits: 1

PERF 424 - ORCHESTRAL SEMINAR II
Continuation of 423. Preparation for a career as an orchestral musician.
Credits: 1
Prerequisites: PERF 423

PERF 425 - THE OPERATIC SINGING ACTOR
Workshop course in skills needed to become an operatic performer (acting, movement, role preparation)
Credits: 1
Prerequisites: VOI 411 (may be taken concurrently)
Course Notes: Consent

PERF 427 - OPERA ENSEMBLE
Staged and costumed production of a complete operatic work, culminating in public performance.
Credits: 1

PERF 427Y - OPERA STUDIO:REH/PERF
Staged and costumed production of a complete operatic work, culminating in public performance.
Credits: 0

PERF 428 - GRADUATE RECITAL
Public performance of required repertory.
Credits: 1
Course Notes: Applied Music 413 with minimum grade of B-
PERF 434 - COMPREHENSIVE GUITAR TECHNIQUE
Exploration of the purpose and approach to the technical exercise. Topics of basic guitar technique, principles of finger mechanics, relation of technique and repertoire, and development of a didactical understanding of the physical approach.
Credits: 2
Prerequisites: GUIT 411 (may be taken concurrently)

PERF 435 - ORCHESTRAL EXCERPTS - BASS
Study of major orchestral works with emphasis on style, technique, musicianship, and ensemble; experience in mock auditions.
Credits: 1
Prerequisites: STB 411 (may be taken concurrently)

PERF 436 - HISTORY AND PERFORMANCE OF GUITAR LITERATURE
Exploration of the history of the classical guitar and related instruments (lute and vihuela) from the Renaissance to the present day. The range of study will include the physical development of the instruments, techniques, solo and ensemble music (both original and transcriptions) with an emphasis on historic forms and theoretical analysis, composers and prominent performers.
Credits: 3
Prerequisites: GUIT 411 (may be taken concurrently)

PERF 438 - CAREER SEMINAR FOR CLASSICAL GUITAR MAJORS
To educate Classical Guitar Performance majors about professional development and possibilities in the field beyond solo performance.
Credits: 2
Prerequisites: GUIT 411 (may be taken concurrently)

PERF 441 - ALEXANDER TECHNIQUE
Through application of the methodology of F.M. Alexander, students will explore bodily tension related to physical habits they have developed while performing, and the relationship between tension and stress, performance anxiety, and injury. Activities include readings, projects, and in-class as well as individualized bodywork.
Credits: 2

PERF 442 - ORCHESTRAL EXCERPTS - VIOLIN
Study of major orchestral works with emphasis on style, technique, and musicianship; experience in mock auditions.
Credits: 1
Prerequisites: VLN 411 (may be taken concurrently)

PERF 443 - ORCHESTRAL EXCERPTS - VIOLA
Study of major orchestral works with emphasis on style, technique, and musicianship; experience in mock auditions.
Credits: 1
Prerequisites: VLA 411 (may be taken concurrently)

PERF 444 - ORCHESTRAL EXCERPTS - VIOLONCELLO
Study of major orchestral works with emphasis on style, technique, and musicianship; experience in mock auditions.
Credits: 1
Prerequisites: VCEL 411 (may be taken concurrently)

PERF 445 - SEMINAR IN PROFESSIONAL DEVELOPMENT
Development and implementation of a strategic business plan for a professional chamber music ensemble. Includes goals, research and development, marketing, public relations, programming, working with presenters and management, and related topics.
Credits: 2
Prerequisites: ENS 420 (may be taken concurrently)

PERF 446 - SEMINAR IN COMMUNITY ENGAGEMENT
Development of community and school outreach programs: performance and verbal explication for assemblies; applied classroom presentation for a range of pre-college grades; applied instrumental training in groups and for individuals.
Credits: 2
Prerequisites: ENS 420 (may be taken concurrently)

PERF 451 - MASTER OF MUSIC JURY
Performance of required repertory for a faculty panel.
Credits: 1
Course Notes: Concurrent enrollment in Applied Music 411, 412, or 413

PERF 452 - DIPLOMA JURY
Performance of required repertory for a faculty panel.
Credits: 1
Course Notes: Concurrent enrollment in Applied Music 451, 452, 453, or 454

PERF 453 - JURY EXAM-STRINGS (GRAD)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied Music 411, 412, 413, or 414.

PERF 454 - JURY EXAM-PERC (GRAD)
Performance of repertoire for a panel of department faculty.
Credits: 1
Course Notes: Concurrent enrollment in Applied Music 411, 412, 413, or 414.

PERF 461 - SEMINAR IN VOCAL COLLABORATION FOR PIANISTS
Techniques of collaborative piano playing in vocal music. Language, phrasing, style, literature, sightreading, musicianship, pedaling, and pedagogy. Students will sing as well as collaborate with singing partners.
Credits: 2
Prerequisites: PIA 411 (may be taken concurrently)

PERF 462 - PRACTICUM IN VOCAL COLLABORATION
Supervised collaborative assignments in voice lessons and performance classes.
Credits: 1
Prerequisites: PERF 461

PERF 463 - SEMINAR: INSTRUMENTAL COLLABORATION FOR PIANISTS
Techniques of collaborative piano playing in string and wind music. Transposition, style, sightreading, sound production, rehearsal techniques, and the collaborative process. Students will play as well as collaborate with instrumental partners.
Credits: 2
Prerequisites: PIA 411 (may be taken concurrently)

PERF 464 - PRACTICUM IN INSTRUMENTAL COLLABORATION
Supervised collaborative assignments in instrumental studies and performance classes.
Credits: 1
Prerequisites: PERF 463

PERF 468 - OPERATIC LITERATURE AND INTERPRETATION FOR OPRA-PD PIANIST
The pianist will accompany all musical repertoire with singers as professor coaches the dramatic presentation of audition material, monologues, and arias, as well as all assigned roles. The pianist will gain knowledge of operatic literature and dramatic interpretation and will develop the professional skills required of a collaborative musician.
Credits: 2
Prerequisites: PIA 451 (may be taken concurrently)
Course Notes: OPRA-PD only.
PERF 471 - TOWARD THE PROFESSIONAL SINGER
Evolution of the Western classical singing tradition via study of the history of the art forms, development of opera, historical recordings, performance traditions, creativity, literature and the other arts, and vocal health.
Credits: 1
Prerequisites: VOI 411 (may be taken concurrently)

PERF 475 - CHICAGO OPERA THEATRE DIPLOMA SEMINAR
The presentation of audition and competition material, preparation of projects for CCPA and Chicago Opera Theater, discussion of a range of topics applying to the art form and profession as they arise.
Credits: 2
Prerequisites: VOI 451 (may be taken concurrently) or PIA 451 (may be taken concurrently)
Course Notes: OPRA-PD only.

PERF 478 - OPERA VOCAL COACHING
Young Artists individually coach audition arias and competition repertoire in addition to all assigned repertoire that is to be presented at CCPA and Chicago Opera Theater.
Credits: 1
Prerequisites: VOI 451 (may be taken concurrently)
Course Notes: OPRA-PD only.

PERF 480 - STRING PERFORMANCE CLASS
Performance of repertoire for an audience of peers and faculty. Required of all string majors every semester.
Credits: 0
Course Notes: Consent required.

PERF 481 - TOPICS FOR PROFESS SINGER
A graduate seminar designed to help the aspiring singers make the leap into professional work. Topics relate to the musical, physical, psychological, and business aspects of being a professional musician.
Credits: 2

PERF 488 - DRAMATIC COACHING OF OPERA REPERTORY
Individual coaching sessions on the dramatic presentation of audition material, monologues, arias, as well as all assigned material that is to be presented in OperaFest and the Spring Opera.
Credits: 1,2
Prerequisites: VOI 451 (may be taken concurrently)
Course Notes: OPRA-PD only.

PERF 490 - APPLIED JURY EXAMINATION NON-CURRICULAR GRADUATE
Performance of repertoire for a panel of department faculty.
Credits: 0
Prerequisites: PERF 400 (may be taken concurrently) or PERF 495 (may be taken concurrently)
Course Notes: Concurrent enrollment in PERF 400 or PERF 495

PERF 495 - INDEPENDENT STUDY
Credits: 1-6
Course Notes: Consent of Department

PERF 497 - ACADEMIC MAJOR JURY
Graded performance of required repertory for a panel of faculty.
Credits: 0
Course Notes: Current enrollment in Applied Music 401 or 402.

PERF 499 - GRAD COMPREHENSIVE REVIEW
Comprehensive oral review on the major and supporting coursework. Required for graduation.
Credits: 1
PIA 400 - PIANO PERFORMANCE CLASS
Weekly session with peers and faculty; regular performance and discussion of performance-related issues (including health). Required of all piano majors every semester.
Credits: 0

PIA 401 - PIANO (MINOR)
Study of required repertory and technique.
Credits: 2
Course Notes: Consent of instructor

PIA 402 - PIANO (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: PIA 401
Course Notes: or placement

PIA 403 - PIANO (MINOR)
Credits: 2
Prerequisites: PIA 402
Course Notes: or placement

PIA 404 - PIANO (MINOR)
Credits: 2
Prerequisites: PIA 403
Course Notes: or placement

PIA 409 - PIANO MINOR JURY
Performance of required repertory and technique for a faculty panel.
Credits: 0

PIA 411 - PIANO (MAJOR)
Study of required repertory.
Credits: 2-4
Course Notes: Consent of instructor

PIA 412 - PIANO (MAJOR)
Study of required repertory.
Credits: 2-4
Prerequisites: PIA 411
Course Notes: or placement

PIA 413 - PIANO (MAJOR)
Study of required repertory.
Credits: 2-4
Prerequisites: PIA 412
Course Notes: or placement

PIA 414 - PIANO (MAJOR)
Study of required repertory.
Credits: 2-4
Prerequisites: PIA 413
Course Notes: or placement

PIA 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Prerequisites: PIA 412
Course Notes: may be concurrent.

PIA 451 - PIANO (ARTIST DIPLOMA)
Study of required repertory.
Credits: 4-6
Prerequisites: PIA 450

PIA 452 - ARTIST DIPLOMA PIANO
Study of required repertory.
Credits: 4-6
Prerequisites: PIA 451

PIA 453 - ARTIST DIPLOMA PIANO
Study of required repertory.
Credits: 4-6
Prerequisites: PIA 452

PIA 454 - PIANO (ARTIST DIPLOMA)
Study of required repertory.
Credits: 4-6
Prerequisites: PIA 453

PIA 461 - JURY EXAM - PIANO - (GRADUATE)
Performance of required repertory for a panel of faculty.
Credits: 2
Prerequisites: PIA 411 (may be taken concurrently) or PIA 412 (may be taken concurrently) or PIA 413 (may be taken concurrently)

PIA 473 - JAZZ PIANO MAJOR
Credits: 2-6
Prerequisites: PIA 472

PIA 474 - JAZZ PIANO MAJOR
Credits: 2-6
Prerequisites: PIA 473
MUSIC: SAXOPHONE (SAX)

SAX 401 - SAXOPHONE (MINOR)
Study of required repertory and technique.
Credits: 2
Course Notes: Dept. consent

SAX 402 - SAXOPHONE (MINOR)
Study of required repertory and technique.
Credits: 2
Prerequisites: SAX 401
Course Notes: or placement

SAX 403 - SAXOPHONE (MINOR)
Credits: 2
Prerequisites: SAX 402
Course Notes: or placement

SAX 411 - SAXOPHONE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Course Notes: Consent of instructor

SAX 412 - SAXOPHONE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: SAX 411
Course Notes: or placement

SAX 413 - SAXOPHONE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Prerequisites: SAX 412
Course Notes: or placement

SAX 414 - SAXOPHONE (MAJOR)
Study of required repertory and technique.
Credits: 3,4

SAX 420 - GRADUATE RECITAL
Public performance of required repertory.
Credits: 1
Prerequisites: SAX 412 (may be taken concurrently)
Course Notes: may be concurrent.
MUSIC: STRING BASS (STB)

STB 411 - STRING BASS (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

STB 412 - STRING BASS (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: STB 411
Course Notes: or placement.

STB 413 - STRING BASS (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: STB 412
Course Notes: or placement.

STB 414 - DOUBLE BASS
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities

STB 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Attributes: Humanities
Prerequisites: STB 412
Course Notes: may be concurrent.

STB 451 - STRING BASS MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Course Notes: Dept. consent

STB 452 - STRING BASS MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: STB 451

STB 453 - STRING BASS MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: STB 452

STB 454 - STRING BASS MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: STB 453
MUSIC THEORY & ANALYSIS (MTA)

MTA 402 - ADVANCED ORCHESTRATION
Scoring for various ensembles with emphasis on larger groups and orchestral writing. Study of representative traditional and contemporary scores, presentations, and arrangement projects.
Credits: 3

MTA 406 - ANALYSIS OF POST-TONAL MUSIC
Major analytical methodologies of the post-tonal era, and their application to important 20th-21st century compositions. Pitch class set theory and fixed integer notation; dodecaphonic method and the Second Viennese School; post-war multiversalism (Messiaen, Boulez, Stravinsky); sound mass, micropolyphony, and net-structures (Penderecki, Ligeti); aleatoricism and textural technique in Lutoslawski; spéctrale; minimalism as aesthetic, style, and technique; New Complexity and irrational meter; polystylism, tempo types, contour theory, multimedia, and musical journalism in the present age (e.g. Gubaidulina, Corigliano, Wolfe, Du Yun).
Credits: 3

MTA 425 - INTRODUCTORY ELECTROACOUSTIC MUSIC
Introduction to music and sonic-art created through the means of electronics and computers. The history and theory of electro-acoustic music, musical acoustics, psychoacoustics, digital audio theory, digital signal processing. Development of listening skills. The main focus is on students' personal creative projects; students will complete one fixed electronic music project and several assignments on Max/MSP.
Credits: 3

MTA 426 - ELECTROACOUSTIC MUSIC II
Continuation of MTA 425. This class focuses on electro-acoustic music composition in fixed media with one instrument, and a brief introduction to live electronics with one instrument and digital video art using Max/MSP/Jitter. This class is offered in conjunction with the biennial Electro-Acoustic Music Festival where all students' works will be featured as well as works by guest composers.
Credits: 3
Prerequisites: MTA 425

MTA 495 - INDEPENDENT STUDY
Independent Study.
Credits: 1-3
MUSIC: TROMBONE (TRBN)

TRBN 401 - TROMBONE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities

TRBN 402 - TROMBONE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: TRBN 401
Course Notes: or placement

TRBN 411 - TROMBONE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities

TRBN 412 - TROMBONE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: TRBN 411
Course Notes: or placement

TRBN 413 - TROMBONE (MAJOR)
Study of required repertory and technique.
Credits: 2-4
Attributes: Humanities
Prerequisites: TRBN 412
Course Notes: or placement

TRBN 414 - TROMBONE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: TRBN 413
Course Notes: or placement

TRBN 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1
Attributes: Humanities
Prerequisites: TRBN 412 (may be taken concurrently)
Course Notes: may be concurrent.

TRBN 451 - TROMBONE MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Course Notes: Dept. consent

TRBN 452 - TROMBONE MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: TRBN 451

TRBN 453 - TROMBONE MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: TRBN 452

TRBN 454 - TROMBONE MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: TRBN 453
MUSIC: TRUMPET (TRPT)

TRPT 401 - TRUMPET (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities

TRPT 402 - TRUMPET (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: TRPT 401
Course Notes: or placement

TRPT 411 - TRUMPET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

TRPT 412 - TRUMPET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: TRPT 411
Course Notes: or placement

TRPT 413 - TRUMPET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: TRPT 412
Course Notes: or placement

TRPT 414 - TRUMPET (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: TRPT 413
Course Notes: or placement

TRPT 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Attributes: Humanities
Prerequisites: TRPT 412 (may be taken concurrently)
Course Notes: may be concurrent

TRPT 451 - TRUMPET MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Course Notes: Dept. consent

TRPT 452 - TRUMPET MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: TRPT 451

TRPT 453 - TRUMPET MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: TRPT 452

TRPT 454 - TRUMPET MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: TRPT 453

TRPT 474 - JAZZ TRUMPET MAJOR
Credits: 2-6
Attributes: Humanities
Prerequisites: TRPT 473
MUSIC: TUBA (TUBA)

TUBA 401 - TUBA (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Dept. consent

TUBA 402 - TUBA (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: TUBA 401
Course Notes: or placement

TUBA 411 - TUBA (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

TUBA 412 - TUBA (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: TUBA 411
Course Notes: or placement

TUBA 413 - TUBA (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: TUBA 412
Course Notes: or placement

TUBA 414 - TUBA
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities

TUBA 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Attributes: Humanities
Prerequisites: TUBA 412 (may be taken concurrently)
Course Notes: may be concurrent

TUBA 451 - TUBA MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Course Notes: Dept. consent

TUBA 452 - TUBA MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: TUBA 451

TUBA 453 - TUBA MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: TUBA 452
MUSIC: VIOLA (VLA)

VLA 401 - VIOLA (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Dept. consent

VLA 402 - VIOLA (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: VLA 401
Course Notes: VLA 402 or placement

VLA 411 - VIOLA (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: Dept. consent

VLA 412 - VIOLA (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 411
Course Notes: or placement

VLA 413 - VIOLA (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 412
Course Notes: or placement

VLA 414 - VIOLA (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: VLA 413
Course Notes: or placement

VLA 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Attributes: Humanities
Prerequisites: VLA 412 (may be taken concurrently)
Course Notes: may be concurrent

VLA 451 - VIOLA MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Course Notes: Dept. consent

VLA 452 - VIOLA MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: VLA 451

VLA 453 - VIOLA MAJOR
Study of required repertory and technique.
Credits: 2-6
Attributes: Humanities
Prerequisites: VLA 452
**MUSIC: VIOLIN (VLN)**

**VLN 401 - VIOLIN (MINOR)**
Study of required repertory and technique.  
Credits: 2  
Attributes: Humanities  
Course Notes: Dept. consent

**VLN 402 - VIOLIN (MINOR)**
Study of required repertory and technique.  
Credits: 2  
Attributes: Humanities  
Course Notes: VLN 401 or placement

**VLN 411 - VIOLIN (MAJOR)**
Study of required repertory and technique.  
Credits: 3,4  
Attributes: Humanities  
Course Notes: Dept. consent

**VLN 412 - VIOLIN (MAJOR)**
Study of required repertory and technique.  
Credits: 3,4  
Attributes: Humanities  
Prerequisites: VLN 411  
Course Notes: or placement

**VLN 413 - VIOLIN (MAJOR)**
Study of required repertory and technique.  
Credits: 3,4  
Attributes: Humanities  
Prerequisites: VLN 412  
Course Notes: VLN 412 or placement

**VLN 414 - VIOLIN (MAJOR)**
Study of required repertory and technique.  
Credits: 3,4  
Attributes: Humanities  
Prerequisites: VLN 413  
Course Notes: or placement

**VLN 420 - SOLO RECITAL**
Public performance of required repertory.  
Credits: 1-2  
Attributes: Humanities  
Prerequisites: VLN 412 (may be taken concurrently)  
Course Notes: may be concurrent.

**VLN 451 - VIOLIN MAJOR**
Study of required repertory and technique.  
Credits: 2-6  
Attributes: Humanities  
Course Notes: Dept. consent

**VLN 452 - VIOLIN MAJOR**
Study of required repertory and technique.  
Credits: 2-6  
Attributes: Humanities  
Prerequisites: VLN 451

**VLN 453 - VIOLIN MAJOR**
Study of required repertory and technique.  
Credits: 2-6  
Attributes: Humanities  
Prerequisites: VLN 452

**VLN 454 - VIOLIN MAJOR**
Study of required repertory and technique.  
Credits: 2-6  
Attributes: Humanities  
Prerequisites: VLN 453
### MUSIC: VIOLONCELLO (VCEL)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credits</th>
<th>Attributes</th>
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<td>Humanities</td>
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MUSIC: VOICE (VOI)

VOI 400 - GRADUATE PERFORMANCE CLASS
Performance for peers and faculty.
Credits: 0
Attributes: Humanities
Course Notes: Dept. consent

VOI 401 - VOICE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Course Notes: Dept. consent

VOI 402 - VOICE (MINOR)
Study of required repertory and technique.
Credits: 2
Attributes: Humanities
Prerequisites: VOI 401
Course Notes: or placement

VOI 403 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 402
Course Notes: or placement

VOI 404 - VOICE (MINOR)
Credits: 2
Attributes: Humanities
Prerequisites: VOI 403
Course Notes: or placement

VOI 411 - VOICE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Course Notes: consent

VOI 412 - VOICE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: VOI 411
Course Notes: or placement

VOI 413 - VOICE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: VOI 412
Course Notes: or placement

VOI 414 - VOICE (MAJOR)
Study of required repertory and technique.
Credits: 3,4
Attributes: Humanities
Prerequisites: VOI 413
Course Notes: or placement

VOI 420 - SOLO RECITAL
Public performance of required repertory.
Credits: 1-2
Attributes: Humanities
Prerequisites: VOI 412 (may be taken concurrently)
Course Notes: may be concurrent

VOI 450 - JURY EXAM- GRADUATE
Credits: 1
Attributes: Humanities
Course Notes: Concurrent enrollment in VOI 411,412, or 413.

VOI 451 - VOICE (DIPLOMA LEVEL)
Study of required repertory and technique.
Credits: 4
Attributes: Humanities

VOI 452 - VOICE (DIPLOMA LEVEL)
Study of required repertory and technique.
Credits: 4
Attributes: Humanities
Prerequisites: VOI 451

VOI 453 - VOICE (DIPLOMA LEVEL)
Study of required repertory and technique.
Credits: 4
Attributes: Humanities
Prerequisites: VOI 452

VOI 454 - VOICE (DIPLOMA LEVEL)
Study of required repertory and technique.
Credits: 4
Attributes: Humanities
Prerequisites: VOI 453

VOI 474 - JAZZ VOICE MAJOR
Credits: 2-6
Attributes: Humanities
Prerequisites: VOI 473
PARALEGAL STUDIES (LAWA)

The courses below count only in the Post-Baccalaureate Paralegal Certificate program. They are non-credit courses and do not count as credit toward any other program.

**LAWA L01 - ETHICS & PROFESSIONALISM**
Regulation of the legal profession including the rules of conduct that govern paralegals. Topics include the meaning and importance of the unauthorized practice of law; attorney-client privilege and related work product doctrine; doctrine of confidentiality; conflicts of interest. Law office management; conflicts of interest check system; law office calendar; billing procedures; fee arrangements; client trust accounts; filing systems; and documenting the file.
Credits: 3
Course Notes: Dept. Consent.

**LAWA L02 - LEGAL RESEARCH**
The basics of legal research. Students will learn how to use the many research tools of the law library and how to research online using both computerized legal databases as well as legal research on the Internet. Proper citation to the various legal authorities will be covered. Working in the area of tort litigation, students learn how to read, analyze and apply the law. An emphasis will be on legal reasoning as students learn how to develop logical and practical legal arguments.
Credits: 3
Course Notes: Dept. Consent.

**LAWA L03 - CIVIL LAW**
In this survey course, students learn the fundamentals of several areas of the law relating to civil practice including torts, property, wills & estates, domestic relations, and intellectual property. Instructors emphasize current legal events. Written assignments include case briefs and other written exercises designed to increase students' understanding of the subject matters.
Credits: 3
Course Notes: Dept. Consent.

**LAWA L04 - LITIGATION I**
The pre-trial litigation process in civil matters. Jurisdiction and Venue; What and Where to File; Overview of state and Federal court systems; Client and witness interviews; factual investigations; pre-trial motions; Illinois Supreme Court Rules of Discovery including depositions, interrogatories; answers and pre-trial motions; Introduction to the concept of E-Discovery; litigation strategy; administrative remedies and procedures; brief overview of evidence; Federal and Illinois Rules of Civil Procedure and local court rules.
Credits: 3
Course Notes: Dept. Consent.

**LAWA L05 - COMMERCIAL LAW**
In this survey course, students learn the fundamentals of laws relating to business. The course places an emphasis on the law of contracts and on the law of business organizations, but also covers bankruptcy law, environmental law, investor protection and corporate governance. Written assignments include case briefs and other written exercises/analyses designed to increase the students' understanding of the subject matters.
Credits: 3
Course Notes: Dept. Consent.

**LAWA L06 - ADVANCED LITIGATION AND E-DISCOVERY**
This course covers the use of E-Discovery in the preparation of a case for trial, on-going discovery, the trial process, and the post-trial process including hands-on exercises using E-Discovery software and case management software. Review and understanding of the EDRM (E-Discovery Reference Model) and the Federal and State Rules of Civil Procedure defining the various aspects of E-Discovery and Electronically Stored Information (ESI).
Credits: 3
Prerequisites: LAWA L04
Course Notes: Dept. Consent.

**LAWA L09A - REAL ESTATE**
This course of study is an overview study of real estate and prepares students for real estate practice. The course covers both residential and commercial real estate transactions and issues. Students begin the course of study by reviewing the various estates in real property including freehold estates, easements and licenses. The course covers the various methods of holding title to property and explores the different types of transfer deeds (warranty, quit claim and judicial). In addition, students learn how to read surveys, plats and subdivision maps. Students draft legal descriptions of property, prepare closing documentation and learn how perform a title search. The course stresses the practical study of real estate law and transactions.
Credits: 3
Course Notes: Dept. Consent.

**LAWA L19A - INTELLECTUAL PROPERTY**
This course provides an overview of the substantive federal law regulating copyrights, trademarks and state law regulating trade secrets. The course features practical skill assignments, including the registration of a copyright, preparation of agreements used to protect trade secrets and the selection, evaluation and registration of a trademark. Students begin the course by studying the history of intellectual property, its Constitutional basis in the United States and the common law. Students will develop an in-depth understanding of the current laws of intellectual property as they learn the practical processes of protecting intellectual property rights. Intellectual property law is an expanding field of the law for paralegals and an interesting area to practice in.
Credits: 3
Course Notes: Dept. Consent

**LAWA L23 - ESTATES, TRUSTS & WILLS**
This course covers the practical aspects of estate planning and estate administration. Students will obtain a basic understanding of the legal principles involved in estate work. After reviewing the law and the laws of the State of Illinois and the Federal tax laws, students focus on the preparation of documents incident to an estate practice. Students will gain an understanding of the advantages and disadvantages of estate forms and learn what forms are best for the particular situation at hand.
Credits: 3,6
Course Notes: Dept. Consent.
**LAWA L25 - LEGAL WRITING**

The course includes a review of grammar basics, the Uniform System of Citation, and a series of written assignments ranging from simple case briefs and business letters to a complex research memorandum that integrates research, analysis and writing skills. Students will be drafting legal documents during class and as outside homework assignments, allowing for significant personal feedback on their writing from the instructor.

Credits: 3
Prerequisites: LAWA L02
Course Notes: Dept. Consent.

**LAWA L27 - CORPORATIONS AND LLC LAW**

This course provides students with the basics of corporate practice and looks at the various aspects of corporate and securities law with a focus on the practical side of the law. Students will learn how to prepare appropriate forms relating to, and develop an understanding of the different types of business entities, sole proprietorships, limited and general partnerships, subchapter S corporations, limited liability corporations and public and privately held corporations. Students draft partnership agreements, articles of incorporation, stock certificates, meeting notices and resolutions, annual reports and learn to maintain corporate minute books.

Credits: 3

**LAWA L29 - LEGAL TECHNOLOGY**

The basics of software applications being utilized in the law firm environment. Students will learn how to use Microsoft applications and specific computer skills often required from paralegals. Students will also learn legal-specific software applications being utilized internationally. An emphasis will be placed on how the various software applications help paralegals organize a case from the beginning through trial.

Credits: 3
Prerequisites: LAWA L04
Course Notes: Dept. Consent.

**LAWA L30 - PARALEGAL INTERNSHIP**

Students must apply for and be selected by an intern sponsor that the program has made arrangements with in order to enroll in this course. It may also be possible for a student to secure an internship on their own; however, this must be approved by the program in advance of the internship start date. This course provides the student intern with an opportunity to gain practical work experience under the supervision of an attorney in day-to-day, on-site paralegal work. In addition to on-site work, the student will meet with the program's Internship Coordinator during the semester to discuss their progress, and will participate in online discussions with other student interns through Blackboard. Finally, upon completion of the on-site work, the student intern will submit a portfolio and self-evaluation report on their experiences during the internship. The student must complete a minimum of 135 hours of work at the internship site in order to pass the course.

Credits: 3
Attributes: Transformational Service Learning
Prerequisites: (LAWA L01 and LAWA L02 and LAWA L04)
Course Notes: Dept. Consent.

**LAWA L32 - LABOR AND EMPLOYMENT LAW**

This course provides an overview of labor and employment law: labor-management relations (which include collective bargaining, labor contracts, unfair labor practices and the rights of management and bargained-for employees) and employee-employer relations (which include at-will employment, contracts, employment discrimination laws, privacy rights and benefits). Students will develop an in-depth understanding of relevant laws as they work on hypothetical cases involving a grievance and discrimination charge, as well as other projects.

Credits: 3
Course Notes: Dept. Consent.
PHARMACY (PHAR)

PHAR 500 - INTRODUCTION TO PROFESSIONAL DEVELOPMENT
The course introduces students to the profession, historic elements, and the process for becoming a pharmacist. Students will engage in self-reflection about the opportunities within the profession and the education and training required to obtain their desired pharmacy position. This course introduces the importance of interprofessional approaches to patient care in complex health care systems and the role of the pharmacist to assure optimal medication therapy outcomes.
Credits: 1

PHAR 502 - DRUGS AND SUBSTANCES OF ABUSE
This elective course will serve to introduce and examine current issues with drugs and substances of abuse, including approaches to identifying current and emerging drugs and substances of abuse, understanding the impact of drugs and substances of abuse has on patient, and management of a patient presenting to a facility with intoxication due to drugs and/or substances of abuse. The overall goal of this class will be to define the role a pharmacist can play as a provider of facts and information of drugs and substances of abuse.
Credits: 1.5

PHAR 505 - IMMUNIZATION CERTIFICATION
Pharmacy-Based Immunization Delivery is an innovative and interactive training program that teaches student pharmacists and pharmacists the skills necessary to become a primary source for vaccine information and administration. The program teaches the basics of immunology and focuses on practice implementation and legal/regulatory issues.
Credits: 1,1.5

PHAR 510 - BIOCHEMISTRY I
Knowledge of biochemistry is necessary to understand physiology and pathology of all cells, tissues and organ systems, as well as pharmacologic and therapeutic strategies employed in disease management. This clinically relevant biochemical knowledge base will be covered in two courses in the curriculum designated as Biochemistry I & II and are designed to produce specific educational and ability-based outcomes.
Credits: 4

PHAR 511 - BIOCHEMISTRY II
Knowledge of biochemistry is necessary to understand physiology and pathology of all cells, tissues and organ systems, as well as pharmacologic and therapeutic strategies employed in disease management. This clinically relevant biochemical knowledge base will be covered in two courses in the curriculum designated as Biochemistry I & 2 and are designed to produce specific educational and ability-based outcomes.
Credits: 4

PHAR 512 - CLINICAL MICROBIOLOGY & IMMUNOLOGY
Clinical microbiology and immunology is designed to train students in the principles of microbiology and introduce them to its application in pharmaceutical and clinical practice and to the understanding and management of infectious diseases. Topics in pharmaceutical and clinical microbiology will include fundamental principles of pathogenicity (specifically bacteria, fungi, viruses and parasites), antimicrobial agents, contamination and infection control, aseptic techniques and sterility requirement in pharmaceuticals production.
Credits: 4

PHAR 514 - PATHOPHYSIOLOGY I
This course is focused on providing the background in functional anatomy, physiology, and pathology of organ systems that will allow students to integrate knowledge necessary to formulate a therapeutic care plan, to recommend and defend the course of treatment that best addresses a patient’s needs, to evaluate the effectiveness of a treatment regimen and manage medications in a manner that assures optimal therapeutic.
Credits: 4.5

PHAR 515 - PATHOPHYSIOLOGY II
This course is focused on providing the background in functional anatomy, physiology, and pathology of organ systems that will allow students to integrate knowledge necessary to formulate a therapeutic care plan, to recommend and defend the course of treatment that best addresses a patient’s needs, to evaluate the effectiveness of a treatment regimen and manage medications in a manner that assures optimal therapeutic outcomes.
Credits: 4

PHAR 519 - PHARMACEUTICS I: CALCULATIONS
This course focuses on the arithmetic operations involved in ensuring that accurate doses of medications are dispensed to patients. It is aimed at developing the pharmacy students’ knowledge, skills and attitudes that would engender attention to detail, precision and accuracy in every operation that they perform so as to ensure that error-free, safe and efficacious medicines are dispensed to clients at all time. The course will develop students’ skills in pharmaceutical calculations applicable to practice in conventional as well as in specialized settings such as prescription filling, medication order compounding, determination of dosage regimens and estimation of patients’ compliance in community, clinical & hospital practice, industrial research and development, and in manufacturing.
Credits: 2

PHAR 520 - PHARMACEUTICS I: DRUG DELIVERY
The course will familiarize the student with the physical and chemical principles governing pharmaceutical chemistry and dosage form development. The student will be introduced to how basic physical/chemical principles are important in the preparation, compounding of the dosage form, and disease-based or patient-centered decision making and therapeutic outcomes. The influence of physico-chemical principles on storage and administration of the various pharmaceutical dosage forms will also be covered in class.
Credits: 4

PHAR 521 - PHARMACEUTICS II
The course focuses on physical and chemical principles relevant to the design, formulation, manufacturing, and use of pharmaceutical products such as powders, tablets, capsules, controlled delivery systems, sterile products and biopharmaceuticals. The properties of drug substance, non-active ingredients, excipients, and potential interactions between two entities are discussed. The influence of the interactions and relevance on drug product performance, stability and patient safety is highlighted. Related clinical outcomes relevance is discussed.
Credits: 3
PHAR 522 - PHARMACEUTICS III
Pharmaceutics III is a continuation of the didactic and laboratory courses in Pharmaceutics I/II: Drug Delivery. The principles and mechanisms of drug absorption, distribution, metabolism, elimination (ADME), bioavailability and bioequivalence will be covered. Influence of the concepts on decision making regarding choice of drug, switching a drug within a pharmacologic/therapeutic class to another, compliance, wellness of patients, etc. will be discussed.

Credits: 3

PHAR 523 - PC:INTO TO COMM & ASMNT
The course introduces the student to the professional practice of pharmaceutical care. The student will learn what knowledge and experience is necessary to provide pharmaceutical care to patients. The course will explain the criteria for a health care professional practice, the meaning of "practitioner," and what constitutes a profession. The roles of the patient, the practitioner, and selected components of society are described in the context of pharmaceutical care practice.

Credits: 3

PHAR 524 - PC:MED ADMIN & SELF MONIT TECH
Subsequent terms of the course sequence introduce new concepts to the student pertaining to professional practice of pharmaceutical care. The course will continue to build upon and elaborate on the criteria for a health care professional practice, the meaning of the "practitioner," and what constitutes a profession. Students will continue to accumulate knowledge and skills from these sequences (I-VI) and demonstrate them in ongoing assessments and capstone exams.

Credits: 2

PHAR 527 - PROFESSIONAL DEVELOPMENT AND LEADERSHIP I
This course is designed to expand and track the personal and professional growth of students. This course is part of a longitudinal series spanning 6 quarters of the didactic curriculum during the P1-P3 years. The course will continue to build upon and elaborate on the criteria for a health care professional practice, the meaning of the "practitioner," and what constitutes a profession. The roles of the patient, the practitioner, and selected components of society are described in the context of pharmaceutical care practice.

Credits: 0.5

PHAR 528 - PROFESSIONAL DEVELOPMENT AND LEADERSHIP II
This course is designed to expand and track the personal and professional growth of students. This course is part of a longitudinal series spanning 6 quarters of the didactic curriculum during the P1-P3 years. This longitudinal course is designed to enhance the attributes needed by new pharmacist practitioners (advocacy, inter-professional collaboration, cultural awareness, self-awareness, leadership, innovation and entrepreneurship, and professionalism).

Credits: 0.5

PHAR 529 - PROFESSIONAL DEVELOPMENT AND LEADERSHIP III
This course is designed to expand and track the personal and professional growth of students. This course is part of a longitudinal series spanning 6 quarters of the didactic curriculum during the P1-P3 years. This longitudinal course is designed to enhance the attributes needed by new pharmacist practitioners (advocacy, inter-professional collaboration, cultural awareness, self-awareness, leadership, innovation and entrepreneurship, and professionalism).

Credits: 0.5

PHAR 530 - PRINCIPLES OF DRUG ACTION
This course is designed to provide background necessary to choose drugs based on their pharmacokinetic (absorption, distribution, metabolism and elimination; ADME), and pharmacodynamics (drug-receptor interactions, agonists, partial agonists, and antagonists) parameters and introduce students to pharmacology of drugs affecting the autonomic nervous system, as well as basic concepts in pharmacotherapy.

Credits: 4

PHAR 531 - INTEGRATED SEQUENCE: IMMUNOLOGIC, RHEUMATOLOGIC, AND PULMONARY DISORDERS
This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to infectious diseases and pulmonary disorders.

Credits: 4.5

PHAR 532 - INTEGRATED SEQUENCE: ENDOCRINE SYSTEMS
This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to endocrine and pulmonary diseases.

Credits: 4.5

PHAR 533 - RESEARCH IN TRANSL ONCOLOGY
This course is designed to provide a base level of knowledge and practical experience in research activities related to translational oncology. Students will collaborate with Professor Hart on a specific topic to address key fundamental questions in cancer biology. Students will learn proper ways to mine literature, and develop skills in critical analysis and interpretation of primary research. Students will participate in literary review on a chosen subject, analyze historic and recent literature pertaining to said subject, and write up their review of the literature and assessment of pitfalls and future directions for the particular field. Students will have the opportunity to co-author publications resulting from this collaborative effort. Projects will be presented with a focus on laboratory activities of relevance to a Doctor of Pharmacy candidate, as they will evaluate biological principles related to mechanisms of tumor progression using physiologically-relevant approaches and/or pharmacological interventions to treat cancer. Research topics will be assigned based on the interests, strengths and focus of this course's faculty director and will be designed to help the student read, understand and interpret scientific literature.

Credits: 1-3

Course Notes: Completion of term 4 with satisfactory academic progress and, instructor interview.

PHAR 538 - CLINICAL CASE DISCUSSIONS IN DIABETES
This course is designed to help students gain a better understanding of drug therapy for diabetes, and examine practical issues in diabetes care. Students in this class will participate in discussions of cases of real patients with diabetes. Each week, cases will focus on a different aspect of diabetes management. All students will be expected to lead at least one discussion, as well as participate in discussions each week.

Credits: 1.5
PHAR 539 - ADVANCED PEDIATRIC PHARMACOTHERAPY
This course is designed to provide an advanced understanding of the pathophysiology and pharmacotherapy associated with disease states commonly encountered in the pediatric population including general pediatrics, toxicology, pediatric critical care and trauma, obesity, psychiatric illness, and pharmacy-specific pediatric related issues.
Credits: 1.5

PHAR 541 - INTRODUCTION TO MANAGED CARE PHARMACY
This managed care pharmacy elective course will provide an overview of managed care pharmacy and an understanding of how managed care pharmacy impacts the healthcare system.
Credits: 3

PHAR 542 - INTRODUCTION TO MOLECULAR BIOLOGY AND CELL CULTURE
This course is designed to give the pharmacy and other students in life sciences, allied health fields and biotechnology a basic understanding of usefulness of molecular and cell culture techniques used in biomedical research. An emphasis is placed on the hands-on use of laboratory tools and equipment in order to familiarize the students with current biochemical, molecular techniques. Individual research topic will be given to students. Students will use various laboratory techniques to carry out research. Making hypothesis, literature search, designing of experiments, data collection and analysis, writing assignments and data presentation as appropriate to the discipline are part of the course.
Credits: 3

PHAR 543 - RESEARCH IN BIOTECHNOLOGY
Pharmaceutical Biotechnology is an important area of science and technology, and contributes to design and delivery of new therapeutic drugs, the development of diagnostic agents for medical tests, and the beginnings of gene therapy for correcting the medical symptoms of hereditary diseases. This course will introduce the students to various biotechnology techniques used to attenuate chronic disorders like cancer, diabetes etc. Students will be involved in working independently on a research project that involves but not limited to characterization and expression of gene delivery vectors.
Credits: 3

PHAR 544 - ADVANCED DRUG LITERATURE EVALUATION
This course is designed to provide students with an opportunity to develop their literature evaluation skills. Students will review, analyze and present weekly journal articles focused on a clinical topic. This course is discussion-based and involves significant student participation each week. Students will be randomly asked to present different aspects of each assigned article. Faculty will facilitate a discussion of the clinical articles and their role in therapeutic decisions.
Credits: 1.5

PHAR 545 - PHARMACOLOGICAL STUDIES OF PSYCHOACTIVE DRUGS AND CHEMICALS IN ZEBRAFISH
This course is designed to introduce students to research techniques used to measure and characterize behavioral responses to psychoactive drugs and chemicals in an animal model used widely in pre-clinical research (Zebrafish, Danio rerio). Students will work in groups of 2 on a research project focused on characterization of anxiolytic and anxiogenic responses of zebra fish and their modulation by pharmacological agents.
Credits: 3

PHAR 546 - INTRODUCTION TO PSYCHOPHARMACOLOGY
This course will introduce students to functions of the CNS, neurotransmitter-mediated processes in the CNS and their modulation by pharmacologic agents.
Credits: 3
PHAR 554 - DRUG LITERATURE EVALUATION
This course is designed to provide pharmacy students with an overview of drug information resources, demonstrate medical information searching and retrieval skills, employ analysis and synthesis of drug information, and strengthen written and verbal communication skills. Students will learn how to critically evaluate biomedical literature and apply this knowledge to resolve issues regarding optimal medication use and medication-related adverse events.
Credits: 3

PHAR 557 - DRUG DEVELOPMENT PROCESS
This course will focus on the entire process of discovering, developing (including preformulation or early phase development) and testing (preclinical through clinical) a new drug substance through the various phases of its life cycle (discovery, in vitro and in vivo testing, ADME, toxicology and biodistribution, Investigational New drug (IND) submission and approval, human clinical trials and New Drug Application (NDA)). Papers will be assigned and classes would be run as seminar-type sessions with enrollees describing what each step entails and the type of information that needs to be gathered to apply for Investigational New Drug approval. This course will inform students on the purpose and design of each phase of human clinical trials. This course will focus on the entire process of discovering, developing (including preformulation or early phase development) and testing (preclinical through clinical) a new drug substance through the various phases of its life cycle (Discovery, in vitro and in vivo testing, ADME, Toxicology and Biodistribution, Investigational New drug (IND) submission and approval, Human Clinical trials and New Drug Application (NDA)). Papers will be assigned and classes would be run as seminar-type sessions with enrollees describing what each step entails and the type of information that needs to be gathered so to apply for an investigational New Drug approval. Included would be a description of the purpose and design of each Phase of human clinical trials.
Credits: 3

PHAR 559 - PHARMACOGENOMICS
Pharmacogenomics is increasingly becoming an important component of pharmacotherapy that relates genetic composition of an individual to drug response. The primary objective of this course is to provide students an understanding of the principles of pharmacogenomics in the context of variability in drug response and the application of genetic profile to drug development and drug treatment. Future pharmacists will be educated on the genetic basis of pharmacokinetics and pharmacodynamics i.e. drug efficacy, adverse drug reactions and drug-drug interactions. Following completion of the course, students should be able to appreciate the pharmacogenomics discipline and how it can impact the treatment outcomes in patients.
Credits: 1.5,3

PHAR 560 - BIO DRUG DISCOVERY RES I
Focus and emphasis will be on working with drug candidate molecules, both proteaceous and small molecule, learning how to purify and characterize such agents, and test agents for medical, biochemical and immunological reactivities. Focus will also be placed on aspects of physiochemical properties of drug substances that must be considered in designing and developing novel drug substances that may one day enter into human clinical trials.
Credits: 3
Attributes: Lab Course

PHAR 561 - RES IN DRUG DESIGN & SYN I
This course is designed to introduce students to research in medicinal chemistry. A research project/problem is assigned to each student requiring specialized equipment and techniques. Students will learn to plan and conduct research, and interpret results.
Credits: 3
Attributes: Lab Course

PHAR 564 - INDEPENDENT CLINICAL RES I
The objective of this elective is to learn practical aspects of clinical research, to participate in key elements of clinical research (i.e. protocol composition, data collection, manuscript publication), and contribute to ongoing clinical pharmacy research at an academic medical center. Students will be expected to work independently with minimal oversight. Resources will be provided for the clinical research students to facilitate any and all research related activities.
Credits: 1.5,3
Attributes: Lab Course

PHAR 566 - DIFFERENTIAL DIAGNOSTICS
This new elective course will give pharmacy students better insight into medical decision making, diagnostic testing, and developing differential diagnoses for common hospital and clinic presentations. The course has been designed (and discussions will be led) by an Internal Medicine physician who specializes in Gastroenterology. Topics to include: work-up of chest pain, shortness of breath, abdominal pain, nausea/vomiting, rectal bleeding, hematemesis, pancreatitis, dysphagia, fever, syncope, and elevated liver enzymes. You will have an opportunity to practice critical thinking and diagnostic decision making in an interactive format. We will meet every other week (with key clinical cases being assigned as homework during the off weeks). This fun course will give you the confidence to feel comfortable in the hospital and working with physicians.
Credits: 1.5,3

PHAR 567 - PHARMACEUTICAL BIOTECHNOLOGY
Pharmaceutical Biotechnology is an increasingly important area of science and technology, and contributes to design and delivery of new therapeutic drugs, the development of diagnostic agents for medical tests, and the beginnings of gene therapy for correcting the medical symptoms of hereditary diseases. This course is designed to provide pharmacy graduate students with a basic understanding of the macromolecular drugs such as proteins and nucleic acids that have emerged as a new class of therapeutic agents due to their unique biological and pharmacological properties.
Credits: 1.5

PHAR 569 - ADVANCED INFECTIOUS DISEASES
This course is designed to give students a more advanced experience into infectious diseases pharmacotherapy, building upon topics learned in the IS-VII course. Students will learn approaches of antimicrobial therapy in challenging situations such as treatment of highly resistant organisms, treatment of zoonotic infections, and approaching antimicrobial stewardship from a practical approach. Furthermore, students will get practice to critically evaluate ID literature from weekly assignments as well as in their final case presentation.
Credits: 3
PHAR 570 - PROFESSIONAL PRACTICE I
Professional Practice I & Introductory Pharmacy Practice Experiences foundations are each an 80 hour sequence of internship activities which provides a number of experiential activities that integrate knowledge and skills you will be learning within your didactic courses. The continuum will serve as building blocks to prepare you for the advanced practice experiences. The learning activities will take you into ongoing assessments and capstone objectives pertaining to renal, genitourinary, and cardiovascular pharmacotherapy. The student will continue to hone and accumulate knowledge and skills from topics covered in Integrated Sequence VI and VII. These topics include gastrointestinal injuries, management of hepatic drug interactions, prevention and management of ulcer, ostomy products and OTC gastrointestinal agents. Additionally, activities to reinforce knowledge of the top 150 drugs and nonprescription therapeutics are continued.
Credits: 3

PHAR 571 - PROFESSIONAL PRACTICE II & IPP
Professional Practice II & Introductory Pharmacy Practice Experiences (IPPEs) foundations are each an 80 hour sequence of internship activities which provides a number of experiential activities that integrate knowledge and skills you will be learning within your didactic courses. The continuum will serve as building blocks to prepare you for the advanced practice experiences. The learning activities will take you into authentic settings to develop important professional abilities.
Credits: 3

PHAR 572 - PROF PRACTICE III & IPPE
Professional Practice I, II, III, IV & Introductory Pharmacy Practice Experiences (IPPEs) foundations are each a 320-hour four-term sequence of internship activities which provides a number of experiential activities that integrate knowledge and skills you will be learning within your didactic courses. The continuum will serve as building blocks to prepare you for the advanced practice experiences. The learning activities will take you into authentic settings to develop important professional abilities.
Credits: 3

PHAR 595 - INDEPENDENT STUDY
The College of Pharmacy recognizes the vital role independent study can play in a student's education. Independent study allows the student to explore a topic of interest that is not available through regularly scheduled course work under the close supervision of a faculty member who has agreed to direct the student's work. The course will include specific learning objectives and activities such directed readings, applied work, library research, laboratory research, writing, or other activities deemed appropriate by the supervising faculty member. The work must be evaluated with agreed upon specifications between the student and faculty prior to the start of the course.
Credits: 0.5-6

PHAR 601 - PC:SELF-CARE & NON-RX THER
Subsequent terms of the course sequence introduce new concepts to the student pertaining to professional practice of pharmaceutical care. The student will build upon previous knowledge and engage in experiences necessary to provide pharmaceutical care to patients. Students will continue to hone and accumulate knowledge and skills from topics pertaining to renal, genitourinary, and cardiovascular pharmacotherapy and demonstrate these in ongoing assessments and capstone objectives.
Credits: 3
Attributes: Lab Course

PHAR 602 - PC:STERILE PROD
This course is fourth in the series of six pharmaceutical care lab courses. Throughout this series, lecture, lab, and active learning formats are utilized. PC Lab IV specifically addresses practical applications of topics covered in Integrated Sequence VI and VII. These topics include musculoskeletal injuries, management of hepatic drug interactions, prevention and management of ulcer, ostomy products and OTC gastrointestinal agents. Additionally, activities to reinforce knowledge of the top 150 drugs and nonprescription therapeutics are continued.
Credits: 2

PHAR 603 - PC:APPLIED CLINICAL SKILLS
This course is fifth in the series of six pharmaceutical care lab courses. Throughout this series, lecture, lab, and active learning formats are utilized. PC Lab V specifically addresses practical applications of topics covered in Integrated Sequence VIII and IX. These topics include psychiatric and neurologic conditions. Additionally, activities to reinforce knowledge of the top 150 drugs and nonprescription therapeutics are continued. PC Lab V also addresses concepts and skills related to sterile preparations.
Credits: 2

PHAR 604 - PHARMACEUTICAL CARE VI: OBJECTIVE STRUCTURED CLINICAL EXPERIENCE
This course is designed to review and assess clinical knowledge, skills, and concepts learned in previous courses throughout the curriculum in preparation for Advanced Pharmacy Practice Experience rotations. Focus will be on accessing and interpreting appropriate clinical practice guidelines, patient assessment, communication, clinical decision making and documentation of patient assessment and therapeutic recommendations. In addition, students will present an individual patient case presentation in order to apply clinical knowledge, patient assessment, presentation and communication skills related to this skill.
Credits: 3-3.5

PHAR 605 - PRINCIPLES OF DRUG ACTION
This course is designed to teach biopharmaceutical researchers about the fundamentals of drug action related to pharmacokinetics, pharmacodynamics and toxicology. A major goal of this course is to impart knowledge on the chemical and pharmacological properties related to drug action and drug development. Students will be introduced to the various targets (e.g. receptors, ion channels, enzymes) for drug development and factors that affect drug action.
Credits: 3
Course Notes: Prerequisites: PharmD Pharmacology Course

PHAR 606 - INTRODUCTION TO PHARMACEUTICAL DOSAGE FORMS AND BIOPHARMACEUTICS
The course focuses on physical-chemical principles governing pharmaceutical systems, dosage form design and development. Students will learn how physicochemical properties of drugs affect their formulation into dosage forms and impacted by excipient selection and processing variables, and the biopharmaceutical considerations needed for design of safe, efficacious, stable and acceptable products. Students will be introduced to drug development and approval processes which could be integrated with student's specific research projects.
Credits: 3
Course Notes: Prerequisites: Pharmaceutics
PHAR 607 - DRUG & SUBSTANCES OF ABUSE
This elective course will serve to introduce and examine current issues with drugs and substances of abuse, including approaches to identifying current and emerging drugs and substances of abuse, understanding the impact of drugs and substances of abuse has on patient, and management of a patient presenting to a facility with intoxication due to drugs and/or substances of abuse. The overall goal of this class will be to define the role a pharmacist can play as a provider of facts and information of drugs and substances of abuse.
Credits: 1.5

PHAR 609 - THESIS DESIGN AND PROPOSAL
The research course is focused on the student developing a research proposal with his advisor on a topic selected by the advisor. The research topics will range from pharmacology, pharmaceutics, drug delivery to traditional medicine, medicinal chemistry, molecular pharmaceutics, etc. The student will then present the proposal to research committee that will be composed by the research advisor as a final assessment of the success of the design.
Credits: 1.5

PHAR 610 - THESIS RESEARCH
The research course will be fully lab based. It will comprise of student-advisor skill-enhancing activities such as training in scientific techniques, journal clubs and research update presentations.
Credits: 2

PHAR 611 - CLINICAL CASE DEFENSE
This course is designed to provide an advanced application of clinical skills through a presentation of a patient case. Students are able to display their knowledge and communicate this knowledge to faculty members and their peers. Through attendance of their peers' presentations, students will have the opportunity to compose and answer questions regarding the disease states presented. This class will help students improve their clinical knowledge, problem-solving skills, presentation skills, communication skills, and self and peer-evaluation skills.
Credits: 0.5

PHAR 612 - RESEARCH ELECTIVE IN INFECTIOUS DISEASES
This course is designed as an introduction into the professional medical writing and literature search and synthesis. Students will be exposed to the clinical research process from the initial idea stages, will be required to complete a literature review and write the study background, and be able to identify variables to collect and create a data collection sheet.
Credits: 1.5

PHAR 613 - RESEARCH IN MEDICINAL CHEMISTRY
This course is designed to provide a base level of knowledge and practical experience in laboratory activities related to medicinal chemistry experimentation. Students will be given a topic of interest and relevance to the drug discovery and development activities of Professor Olson. Students will develop and devise a testable hypothesis to answer fundamental questions and concepts. Students will learn laboratory procedures and approaches and will be taught to respect and adhere to laboratory safety and regulatory criterion. Students will gather data and analyze data to address the scientific significance of their experiments. Students will have the opportunity to co-author scientific publications on their experimental findings and accomplishments and present their work in public venues. Projects will be presented with a focus on laboratory activities of relevance to a Doctor of Pharmacy candidate. Research topics will be assigned based on the interests and strengths and focus of this course's faculty director and will be designed to help the student read understand and interpret literature reports that relate to drugs, especially how drugs were developed, tested, and approved for human use.
Credits: 1-3

PHAR 614 - COLLEGE OF PHARMACY REMEDIATION COURSE I
College of Pharmacy Remediation Course I is a flexible credit course to be used by the College to remediate content to ensure competence in remedial topic.
Credits: 0.5-6

PHAR 615 - COP REMEDIATION COURSE II
College of Pharmacy Remediation Course I is a flexible credit course to be used by the College to remediate content to ensure competence in remedial topic.
Credits: 0.5-6

PHAR 623 - IV: PULMONARY SYSTEMS
This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented here and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to pulmonary disorders.
Credits: 3

PHAR 624 - DRUG METABOLISM AND DRUG INTERACTIONS
This course is designed to teach biopharmaceutical researchers about the principles of biotransformation related to pharmacokinetics and pharmacodynamics. Metabolism is a critical step in the disposition of therapeutic agents and its modulation by drugs and health supplements can lead to drug interactions. In this course students will have the opportunity to learn about various drug metabolism methodologies, drug interactions and how these principles are applied in the drug development process.
Credits: 3
Course Notes: Prerequisites: Pharm D Pharmacology

PHAR 625 - RESEARCH IN METABOLIC SIGNALING
This course is designed to provide background and also enhance the understanding of the students in the area of metabolic signaling using molecular biology tools like ELISA, Western Blot and Real Time Polymerase Chain Reactions (RT–PCR). Focus will be on cardiovascular and renal tissues, and cell lines of these tissues will be used to study how these tissues process metabolic substrates like glucose and fatty acids under normal and metabolically stressful conditions like nutrient excess and diabetes.
Credits: 3
PHAR 626 - HISTORY OF PHARMACY IN AMERICA
This course is designed to introduce the pharmacy student to the history of pharmacy. This will be accomplished by focusing upon the historical development of pharmacy in the United States. By examining the growth and professionalization of the field, its statutory regulation and its product development students will be able to apply the lessons of history to current and future practice philosophies. The history of pharmacy is an area that receives little attention in the pharmacy curriculum but its lessons and tradition are of great importance in recognizing and understanding the professionalism required of a pharmacist. Credits: 1.5

PHAR 627 - PROFESSIONAL DEVELOPMENT AND LEADERSHIP IV
This course is designed to expand and track the personal and professional growth of students. This course is part of a longitudinal series spanning 6 quarters of the didactic curriculum during the P1-P3 years. This longitudinal course is designed to enhance the attributes needed by new pharmacist practitioners (advocacy, inter-professional collaboration, cultural awareness, self-awareness, leadership, innovation and entrepreneurship, and professionalism).

PHAR 628 - PROFESSIONAL DEVELOPMENT AND LEADERSHIP V
This course is designed to expand and track the personal and professional growth of students. This course is part of a longitudinal series spanning 6 quarters of the didactic curriculum during the P1-P3 years. This longitudinal course is designed to enhance the attributes needed by new pharmacist practitioners (advocacy, inter-professional collaboration, cultural awareness, self-awareness, leadership, innovation and entrepreneurship, and professionalism).

PHAR 629 - PROFESSIONAL DEVELOPMENT AND LEADERSHIP VI
This course is designed to expand and track the personal and professional growth of students. This course is part of a longitudinal series spanning 6 quarters of the didactic curriculum during the P1-P3 years. This longitudinal course is designed to enhance the attributes needed by new pharmacist practitioners (advocacy, inter-professional collaboration, cultural awareness, self-awareness, leadership, innovation and entrepreneurship, and professionalism).

PHAR 630 - INTEGRATED SEQUENCE: RENAL AND GENITOURINARY SYSTEMS
Integrated Sequence IV: Renal and Genitourinary Systems. This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to renal and genitourinary diseases.

PHAR 631 - INTEGRATED SEQUENCE: CARDIOVASCULAR SYSTEMS
Integrated Sequence V: Cardiovascular Systems. This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to cardiovascular diseases.

PHAR 632 - INTEGRATED SEQUENCE: GASTROINTESTINAL AND HEPATOBILIARY SYSTEMS
This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to the gastrointestinal and hepatobiliary systems.

PHAR 633 - INTEGRATED SEQUENCE: INFECTIOUS DISEASES
This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to the musculoskeletal and immune systems.

PHAR 634 - INTEGRATED SEQUENCE: NEUROLOGIC DISORDERS
This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to the neurological systems.

PHAR 635 - INTEGRATED SEQUENCE: PSYCHIATRIC AND BEHAVIORAL CONDITIONS
This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to the treatment of psychiatric and mood disorders, and related behavioral conditions.

PHAR 636 - INTEGRATED SEQUENCE: HEMATOLOGIC AND ONCOLOGIC DISORDERS
This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to the treatment of hematologic and oncologic disorders.

PHAR 637 - INTEGRATED SEQUENCE: SPECIAL PATIENT POPULATIONS/CONDITIONS
This course is designed to provide background necessary to select optimal drug regimens based on biopharmaceutical principles and clinical considerations of the medications presented herein and introduce students to the scientific, clinical, social and economic aspects of drug use pertaining to the special patient populations including critically ill patients, geriatric patients, pediatric patients, women's health needs, patients with other illnesses that require special considerations.
PHAR 638 - PHARMACEUTICAL ANALYSIS
The goal of the course is to introduce students to identification and quantitation of pharmaceuticals, including literature search and writing of laboratory reports. Lecture topics will include identification and classical quantitation of pharmaceuticals using the following techniques – gas chromatography, high performance liquid chromatography, visible, UV, infra-red, and fluorescence spectroscopy. Bioanalytical chemistry techniques such as electrophoresis, mass spectrometry, enzyme immunoassays, nucleic acid amplification and protein sequencing will be discussed. Credits: 3

PHAR 640 - THERAPEUTIC DRUG MONITORING
This course is designed to provide a broad perspective on the emerging field of pharmacogenomics and its application to alterations of drug pharmacokinetics and pharmacodynamics, therapeutic drug monitoring and applications for pharmacotherapy of various diseases, including, but not limited to, those affecting cardiovascular, endocrine, hematologic, nervous, respiratory, renal, and immune systems, and cancer. Credits: 3

PHAR 642 - PHARMACY PRACTICE RESEARCH IN AMBULATORY CARE
Pharmacy practice research focuses on pharmacist care and its effect on patient outcomes. This research course will provide students with a working knowledge and hands-on experience of conducting pharmacy practice research in ambulatory care. Students in this course will be exposed to all components of research in pharmacy practice. Each week, focus will be placed on a different aspect of research – idea generation, literature review, Proposal development, Data collection tool development, IRB submission, Data collection, Data entry and analysis, Abstract writing and Presentation. Credits: 1-3

PHAR 650 - PRACTICE MANAGEMENT
This course introduces Pharmacy students to various management roles in Pharmacy Practice with the aim of preparing healthcare leaders that will deliver safe, effective and efficient care across different settings. Students will develop a strong foundation in management sciences with application and integration of Medication Therapy Management (MTM). Credits: 3

PHAR 651 - CURRENT TOPICS IN INFECTIOUS DISEASE
This course will cover current and emerging topics in infectious diseases including practical approaches to antimicrobial stewardship, emerging infectious diseases and public health concerns, antimicrobial resistance, pathogens of bioterrorism, and other infectious diseases topics not covered in the IS-VII course. Credits: 1.5

PHAR 652 - HEALTH ECONOMICS & OUTCOMES
This course is designed to introduce students to the concepts and methods of health economics and outcomes assessments and its application to pharmacy practice. This course will help students understand the concepts and methods of economic analyses and its role in clinical decision making, provide a brief review of decision modeling techniques; introduce to the concepts and importance of medication adherence, patient satisfaction, quality of life and health related quality of life in health care. Credits: 3

PHAR 653 - COMMUNITY OUTREACH ON TRENDING OTC TOPICS
This active learning course is designed to expose students to outreach programs that will provide them with an opportunity to improve clinical, communication, and social/emotional skills through conceptualization, preparation, and delivery of a presentation on a popular non-prescription medication topic to the local community on a site to be determined. Credits: 3

PHAR 654 - BIOTHERAPEUTIC DRUGS
This course will focus on currently marketed biotherapeutic drugs – what they are – how they work (i.e. their biochemical and/or immunological mechanism of action) – how they are manufactured and formulated, and the benefit/risk aspects governing their use. Three broad classes of biotherapeutic drugs will be emphasized: 1.) Peptides/or small proteins; 2.) Cytokines; and 3.) Monoclonal antibodies and Fc Fusion proteins. Specific drugs within each class will be highlighted and product insert summary documents will be used to methodically discuss each subsection of such documents in scientific (methodological) detail, pathways or biological responses targeted by each drug, and the rationale behind why specific details and testing were required prior to obtaining FDA approval to market these drugs. Credits: 3

PHAR 655 - POST-GRADUATE TRAINING
This course will educate and prepare students for postgraduate residency training. It will expose you to different postgraduate training opportunities including community pharmacy residencies, ambulatory care residencies and fellowships. It will increase knowledge, interest, and confidence among students about residency training and identify and develop the skills needed for application to these programs. Credits: 1.5

PHAR 657 - PUBLIC HEALTH/HEALTH POLICY
This course presents the basic and critical issues in public health within the context of population healthcare and an in-depth discussion of the role of pharmacy professionals in promoting and protecting the health of the public. In order to address public health needs, pharmacists must understand and address the fundamental determinants of health in a population in order to provide effective health promotion, disease prevention, and quality health services. This course focuses on strategies for the identification and management of the healthcare needs of specific populations. Credits: 3

PHAR 659 - PHARMACEUTICAL UNIT OPERATIONS IN ADVANCED COMPOUNDING TECHNOLOGY
Students will gain deeper understanding of the theoretical principles and mechanisms of action of some crucial unit operations including size reduction and separation, mixing, compression and consolidation (compaction), evaporation, drying, centrifugation, etc. that are commonly applied in compound practices. Student will formulate, compound and assess quality and stability of model formulations of select drugs among those commonly compounded or are likely to be compounded in clinical, community or hospital setting. Credits: 3

PHAR 662 - REGULATORY SCIENCE
The course will focus on guidelines that are used in drug discovery, drug development and the approval process. Credits: 3
PHAR 666 - NUTRITION AND OBESITY
This course is designed to provide a comprehensive modern knowledge pertaining to the causes and consequences of this serious health issue, therefore, course will serve as a practical educational resource. This course will also focus on relevant nutrition information, the epidemiology, prevention and treatment options. This course will leave students with a clear understanding of the scientific, clinical and social aspects of obesity, and increase the awareness of future obesity research and public health policy.
Credits: 3

PHAR 670 - PROF. PRACTICE IV AND IPPE
Professional Practice IV & Introductory Pharmacy Practice Experiences (IPPEs) are an 80 hour sequence of internship activities (total of 240 hours) which provides a number of experiential activities that integrate knowledge and skills you will be learning within your didactic courses. The continuum will serve as building blocks to prepare you for the advanced practice experiences. The learning activities will take you into authentic settings to develop important professional abilities.
Credits: 3

PHAR 671 - INTERPROFESSIONAL PRACTICE/IPE
The course is a continuation of professional practice experiences intended to engage students with other health professionals in order to establish a climate of mutual respect and shared values; understand the roles of other health professions; strengthen communications with other health professionals; and, foster greater teamwork between pharmacists and other health professionals. The course will be divided into blocks and consist of a seminar and other activities, including practice experiences off campus of up to 80 hours.
Credits: 2

PHAR 680 - INTERPROFESSIONAL COLLABORATION
Interprofessional Collaboration Seminar (one-hour weekly) and the Interprofessional Collaboration simulation experiences together provide a foundational sequence of didactic and experiential activities that will enable the student to become an integral member of an interdisciplinary health care team. This course is designed to allow students to apply the facts, information and concepts gained in didactic coursework to professional practice through an interprofessional practical experience (IPE) under the supervision of a healthcare professional within a health care setting. The IPE seminars and simulations encompass experiences and activities to enhance communication with patients, prescribers, and other health care professionals and to deliver interprofessional care with positive patient outcomes.
Credits: 1

PHAR 695 - INDEPENDENT STUDY
This course will expose a pharmacy student to research designs and application in social and behavioral, or clinical pharmacy. The student will work with a course instructor on a project that will provide hands-on experience with research methods, data collection, analysis and reporting. The student will be provided with tools and any resources necessary to conduct such research.
Credits: 1.5-3

PHAR 710 - GLOBAL HEALTH PHARM PRACT
According to the World Health Organization, global health is defined as the health of populations in a global context, transcending the perspective and concerns of individual nations. The purpose of this course is to educate students on the five main components of global health: 1. Foreign Policy; 2. National Security; 3. Humanitarian Efforts; 4. Economic Advancement; and 5. Public Health. Furthermore, the students will learn about pharmacy practice in the developed and developing nations, workforce professional development, and innovative practice models to better meet patients’ needs globally.
Credits: 1.5

PHAR 711 - PHARM DILEM:INTERAL MED
This course is designed to provide an opportunity to evaluate, design, and defend a patient-specific pharmacotherapeutic treatment plan for a hospitalized patient case over an extended timeline to show disease progression. Students will work individually and in groups to utilize and communicate their knowledge of clinical guidelines and primary literature via oral presentation and written report of their selected treatment plans after assessing a patient chart. This course will improve clinical knowledge, problem-solving, presentation, and writing skills.
Credits: 1.5

PHAR 712 - ADVANCED PHARMACEUTICAL CALCULATIONS IN DOSAGE FORM
This course is designed to cover calculations pertaining to dosage form design that is not covered in the PharmD. curriculum. In addition, the student will have the opportunity to serve as a tutor for PHAR 519 students and design educational materials. Group meetings will take place weekly to discuss challenges and teaching opportunities.
Credits: 3

PHAR 713 - MANAGED CARE AND HEALTH INSURANCE
This course will present an overview of design, function and management of managed care plans. It will introduce students to the concepts pertaining to private and public health insurance/benefit plans, PBMs and different pharmacy practice models and reimbursement issues. This course will offer real world experiences by having outside experts working in managed care delivering the course material.
Credits: 1.5

PHAR 714 - MEDICINE OR MENACE- PSYCHEDELIC DRUGS
This course is designed to introduce students to the historic, social, recreational and therapeutic aspects of psychedelic drugs. Through lecture, video and recommended readings, students will gain an understanding of how psychoactive compounds have been utilized by various cultures over time and how alterations in the legal status of these drugs impact those groups as well as society in general. Additionally, students will be introduced to and asked to evaluate current research involving the potential therapeutic uses of psychoactive compounds. This course combines lecture with significant student participation in discussion sessions facilitated by faculty.
Credits: 3
PHAR 715 - IMPULSIVITY, MORAL JUDGEMENTS, HARM AVERSION, FAIRNESS, & RECIPROCITY: INTRODUCTION TO NEUROSCIENCE
This course is designed to introduce students to behavioral neuroscience, a rapidly growing area for new drug development. It will focus on neuronal mechanisms underlying behaviors associated with neurological and behavioral disorders. It complements discussions of various aspects of central nervous system in the core curriculum, particularly those in PHAR 634: Neurological disorders, and PHAR 635: Psychiatric and behavioral disorders, and expands these discussions to include behaviors. It is also designed to stimulate students to seek advanced studies of the CNS with a focus on behavioral neuroscience. Current pharmacy curriculum lacks sufficient depth in behavioral neuroscience and an additional expectation is that this course partially addresses this deficiency.
Credits: 3

PHAR 720 - PHARMAC DILEM INTER MEDIC
This course is designed to provide an opportunity to evaluate, design, and defend a patient-specific pharmacotherapeutic treatment plan for a hospitalized patient case over an extended timeline to show disease progression. Students will work individually and in groups to utilize and communicate their knowledge of clinical guidelines and primary literature via oral presentation and written report of their selected treatment plans after assessing a patient chart. This course will improve clinical knowledge, problem-solving, presentation, and writing skills.
Credits: 1.5

PHAR 721 - SELECTED TOPICS IN EPIDEMIOLOGY
This course is designed to introduce students to the selected topics in epidemiology. Students in this course will gain understanding about the fundamental tools that are used to measure morbidity and mortality in epidemiology. This course will also focus on describing strengths and weaknesses of screening tests and help them understand when a screening program is appropriate for diagnosis in population. Students will also learn ways of expressing prognosis using survival as a measure and learn about ethical and professional issues related to the field of epidemiology.
Credits: 1.5

PHAR 750 - HEALTH OUTCOMES RESEARCH
This elective course is designed to offer students hands on research experience in the area of health outcomes research. Students will work closely with the instructor(s) in developing a new research proposal or work on an ongoing research project. Students' will be presented with the opportunities of applying the concepts and principles of pharmacoeconomics and health outcomes that they learned in their didactic coursework (PHAR 652) and gaining research skills in this area.
Credits: 1.3

PHAR 751 - RESEARCH IN PUBLIC HEALTH
In this course students will learn how to improve public health among the underserved population. Specifically, students will identify a health problem, assess patients' needs, examine potential solutions, select the best framework to address the problem, implement a health initiative program, and assess the outcomes. Ultimately, students will learn how to be effective members of the interdisciplinary team to enhance public health.
Credits: 3
PHAR 765 - VETERINARY PHARMACY
Veterinary Pharmacy provides a foundation for a pharmacist interested in providing care to nonhuman patients. It focuses on the care of dogs and cats, but concepts can be applied to other species. Veterinary pharmacy references, legal aspects of dispensing, and unique physiologic and pharmacokinetic differences among species will be highlighted. Prevention and management of common disease states will be addressed. Other topics include drug administration, zoonotic infections, dog bite prevention, immunizations, triage, wound care, and appropriate use of OTCs. Class periods will feature a combination of lecture, student research, and skills. Pets will be present in several class sessions.
Credits: 3

PHAR 770 - ADVANCED PATIENT CARE - COMMUNITY
Students will apply the facts, information and concepts gained in didactic coursework to professional practice through practical experience under the supervision of a licensed pharmacist in a community pharmacy setting. The Community Pharmacy Practice rotation encompasses medication dispensing and control, communicating with patients, prescribers, and other health care professionals and understanding the basic principles of managing workflow to deliver positive patient outcomes. Community pharmacists are the most visible and available to the public. This rotation develops student competence to provide pharmaceutical care in the community setting and extends students’ image of community pharmacy practice beyond traditional dispensing. This experience contributes to the integration of clinical knowledge and skills with the basics of communication, medication dispensing and control.
Credits: 8

PHAR 771 - ADVANCED PATIENT CARE - HOSPITAL
Students will apply the facts, information and concepts gained in didactic coursework to professional practice through practical experience under the supervision of a licensed pharmacist in a hospital pharmacy setting. The hospital rotation help students integrate knowledge and theoretical concepts across the curriculum in an environment that encourages and requires interactions between students, preceptors and patients. Our goal is to enable students to safely and accurately perform the activities associated with the receipt, preparation and dispensing of medication orders, perform required drug control activities, support the mission of the pharmacy department and activities that maintain productive relationships with other departments in the hospital.
Credits: 8

PHAR 772 - ADVANCED PATIENT CARE - AMBULATORY CARE
Students will apply the facts, information and concepts gained in didactic coursework to professional practice through practical experience under the supervision of a licensed pharmacist in an ambulatory care setting. The ambulatory care rotations rotation helps students integrate knowledge and theoretical concepts across the curriculum in an environment that encourages and requires interactions between students, preceptors and patients. Our goal is to enable students to provide safe, effective and cost-efficient disease state management by assuring the safe, accurate preparation and dispensing of medications, developing patient-specific pharmacotherapy plans and optimizing patients’ outcomes. Students should gain experience in treating common disease states in the ambulatory care environment, including but not limited to endocrine disorders, cardiovascular diseases, commonly occurring outpatient infectious diseases, respiratory diseases by taking patient histories, developing patient-specific recommendations, providing counseling, monitoring patient outcomes and consulting with other healthcare providers.
Credits: 8

PHAR 773 - ADVANCED PATIENT CARE - ACUTE CARE MEDICINE
Students will apply the facts, information, and concepts gained in didactic coursework to professional practice through practical experience under the supervision of a licensed pharmacist in a hospital setting. The adult internal medicine advanced practice rotation requires students to integrate knowledge and theoretical concepts across the curriculum in an environment that requires appropriate interactions between students, preceptors, other healthcare professionals, and patients. The goal is to enable students to recommend and provide safe, effective, and cost-efficient patient care by developing evidence-based, patient-specific pharmacotherapy plans that optimize patient outcomes and have the support of the other healthcare practitioners involved. Students should gain experience in treating common disease states in the adult internal medicine population, including but not limited to endocrine disorders, cardiovascular diseases, infectious diseases, respiratory diseases, and renal/liver dysfunction.
Credits: 8

PHAR 774 - APPE ELECTIVE ROTATION I
Students will apply the facts, information, and concepts gained in didactic coursework to professional practice through practical experience under the supervision of a preceptor with specialized skills relevant to the specific nature of the of the rotation. Potential areas in which this rotation may occur include, but are not limited to: managed care, pharmacy supervision, healthcare policy, informatics, healthcare business management, academic pharmacy, program development or implementation in a healthcare organization and other areas. The goals of these rotations will be individualized to the setting in close proximity in time to the rotation in order to assure they are relevant to the opportunities present then. The availability of these rotations varies depending on the ability of the rotation site to effectively supervise the student at different points in time.
Credits: 8

PHAR 775 - APPE ELECTIVE ROTATION II
Students will apply the facts, information, and concepts gained in didactic coursework to professional practice through practical experience under the supervision of a licensed pharmacist in a hospital setting. The advanced care medicine rotation requires students to integrate knowledge and theoretical concepts across the curriculum in an environment that requires appropriate interactions between students, preceptors, other healthcare professionals and patients in the advanced areas of inpatient care. The goal is to enable students to recommend and provide safe, effective, and cost-efficient patient care by developing evidence-based, patient-specific pharmacotherapy plans that optimize patient outcomes and have the support of the other healthcare practitioners involved. Students should gain experience in treating complex disease states within the internal medicine population, including but not limited to oncology, infectious disease and critical care.
Credits: 8
POLITICAL SCIENCE (POS)

POS 440 - THE UNITED STATES PRESIDENCY
Contemporary and historical perspectives on the presidency including elements of presidential power, presidential selection, politics of the presidency, presidential personality, president and the media, and relations of president with courts, Congress, and bureaucracy.
Credits: 3

POS 462 - URBAN POLITICS
Historical development of political economy in major cities; political institutions and participation; changing conceptions of urban crisis; contemporary issues, especially economic development; community power.
Credits: 3
PSYCHOLOGY (PSYC)

PSYC 403 - PSYCHODRAMA AND ROLE-PLAYING
Credits: 3

PSYC 407 - INTERMEDIATE STATISTICS
Analysis of variance and factorial designs; bivariate and multiple correlation and regression; testing of hypothesis using other statistical tests, including nonparametric tests; introduction to computer applications in psychological research. Students must have completed undergraduate coursework in basic statistics.
Credits: 3
Course Notes: Undergraduate course introductory requirements.

PSYC 445 - PSYCHOLOGY OF GENDER
This course will focus on the biological and sociocultural factors underlying the use of gender categories and development of gender roles. We will analyze how gender stereotypes are used by individuals, discuss how gender influences our expectations and behaviors, and consider how social institutions reinforce our ideas of gender.
Credits: 3
Attributes: Women Gender Studies
Course Notes: Credit only for ‘Psychology of Women, or ‘Psychology of Gender.

PSYC 446 - PSYCHOLOGY AND THE PARANORMAL
Rigorous training in critical thinking skills. Application to extraordinary pseudoscientific, paranormal, and supernatural claims. Topics include complementary and alternative medicine, traditional/nontraditional psychology, as well as, astrology, biorhythms, channeling, chi, deja vu, demon possession, ESP, faith healing, Feng Shui, ghosts, magnet therapy, moon madness, mystical and religious experience, near-death experiences, out of body experiences, parapsychology, prayer, precognition, prophesy, psychic reading, psychokinesis, reincarnation, spiritualism, therapeutic touch, and UFOs. Required part of the Comprehensive Stress Management and Meditation/Mindfulness System training course of study (along with Psyc 203 and 373/379).
Credits: 3

PSYC 450 - History & Systems of Psychology
Intriguing and puzzling phenomena that follow disorders of the brain challenge us to understand how the brain is organized to allow for complex cognitive abilities specific to humans. This course will introduce several neurological disorders and use them to understand cognitive systems such as attention, language, and memory. Students will tie course content to practice by engaging in a 20-hour service learning experience.
Credits: 3
Course Notes: Psychology Graduate Standing. Course requires 20 hours of service learning.

PSYC 451 - LAW AND PSYCHOLOGY
Credits: 3

PSYC 462 - ORGANIZATIONAL PSYCHOLOGY
Graduate-level introduction to measuring, understanding, and management of behavior in organizations, including such topics as job satisfaction, organizational commitment, other job attitudes, leadership, motivation, counterproductive behavior, teams and group dynamics, and other issues central to individual and group behavior in organizations.
Credits: 3
Course Notes: Admission to MA I/O program required.

PSYC 463 - PERSONNEL PSYCHOLOGY
Graduate level introduction to the selection and management of personnel in organizations, including such topics as job analysis, test validation, personnel selection, utility analysis, performance measurement, promotion, placement, and other issues surrounding personnel in organizations.
Credits: 3
Course Notes: Admission to MA I/O Program required.

PSYC 468 - CHILD ABUSE/FAMILY VIOLENCE
An introduction to the causes and effects of abuse on children, adolescents, and families. Students will learn: the scope of child abuse, its causes, and strategies that prevent and reduce its occurrence using a variety of approaches; how to apply critical thinking skills to evaluate information about child abuse; personal emotional responses to abuse; and to develop civic participation skills around course topics.
Credits: 3
Course Notes: Course elective for Concentration in Clinical Child, and Family Psychology.

PSYC 482 - SPECIAL TOPICS
Advanced topical seminar in psychology. Past course topics have addressed the relationship between psychology and creative fields or have addressed psychological perspectives on social problems. Psychological principles and theories will be applied to such areas for greater understanding and awareness. Please click the red CRN for a more detailed description of this course.
Credits: 1-3

PSYC 483 - SPECIAL TOPICS
Advanced topical seminar in psychology. Past course topics have addressed the relationship between psychology and creative fields or have addressed psychological perspectives on social problems. Psychological principles and theories will be applied to such areas for greater understanding and awareness. Please click the red CRN for a more detailed description of this course.
Credits: 3

PSYC 486 - TOPIC: SEMINAR
Advanced topical seminar in psychology. Past course topics have addressed the relationship between psychology and creative fields or have addressed psychological perspectives on social problems. Psychological principles and theories will be applied to such areas for greater understanding and awareness. Please click the red CRN for a more detailed description of this course.
Credits: 3
Attributes: Women Gender Studies

PSYC 491 - TOP: ADVANCED FORENSIC PSYCHOLOGY
Advanced topical seminar in forensic psychology. This class may address issues such as the role of clinical psychologists in assessing and treating criminal and corrections populations and working with police and investigative agencies. Use of behavioral science information in both civil and criminal court proceedings. The psychological and psychiatric aspects of criminal behavior and violence; emphasis on antisocial syndromes and more recent neuropsychological research concerning violence.
Credits: 3

PSYC 492 - CHILDREN, PSYCHOLOGY, & LAW
Credits: 3
Course Notes: 9SH of PSYC
PSYC 495 - INDEPENDENT STUDY
Supervised individual study or research in specified area of interest.
Credits: 1-3
Course Notes: Consent of instructor and School Director.

PSYC 500 - ADVANCED STATISTICS
Survey of popular multivariate statistical techniques including experience with SPSS or other computer statistical packages. Topics may include multiple regression, canonical correlation, discriminant analysis, principal components analysis, factor analysis, cluster analysis, and general issues in the management of large scale data analysis.
Credits: 3

PSYC 505 - FOUNDATIONS OF COUNSELING
An overview of mental health counseling and its application to professional counseling settings. Focus of the course will be toward a professional orientation to the field of counseling. Students will also learn the importance of developing a professional counselor identity and an ability to apply counseling theory to practice. This course will also provide an exploration of counseling and its relationship to education and psychology disciplines as well as the nature of psychopathological conditions, their etiology, and clinical presentation.
Credits: 3

PSYC 515 - CHEMICAL DEPENDENCE
Psychosocial view of contemporary substance abuse; types and classes of addictive substances; review of treatment approaches. The etiology of substance use disorders, as well as the relationship between substance use disorders and medical and psychological disorders as well as strength-based prevention approach within the counseling setting. Special attention will be given to physiological factors, family dynamics, treatment methods and implications for schools, communities, and business.
Credits: 3

PSYC 516 - PSYCHOPATHOLOGY
Issues pertaining to the case conceptualization, diagnosis of psychological disorders, as well as the treatment and prevention of psychological disorders will be addressed in this course. Students will be taught to recognize and categorize psychological/behavioral patterns that are dysfunctional. Standards for identifying and categorizing behavior, and the use of ethics with regard to categorizing behaviors, will be discussed. The course will focus on utilizing the DSM Classification System for Mental Disorders as well as dimensional models of abnormal development and life challenges.
Credits: 3
Course Notes: Must have an undergraduate course in Abnormal Psych., Theories of Personality.

PSYC 516A - ADULT PSYCHOPATHOLOGY I
Issues and controversies related to the conceptualization and diagnosis of mental disorders. Epidemiology, etiology, onset, differential diagnosis, symptoms or clinical features, course, and prognosis of specific disorders.
Credits: 3
Course Notes: PsyD students only

PSYC 516B - ADULT PSYCHOPATHOLOGY II
Issues and controversies related to the conceptualization and diagnosis of mental disorders. Epidemiology, etiology, onset, differential diagnosis, symptoms or clinical features, course, and prognosis of specific disorders. Continuation from Psychopathology I.
Credits: 3
Course Notes: PsyD students only. Requires PSYC 516A in fall term.

PSYC 519 - BASIC CLINICAL SKILLS
This course provides an introduction for prospective counselors who are seeking to develop and improve their listening skills and develop effective helping relationships with another individual. Through interactive participation and role play, students will develop skills such as effective inquiry, empathic listening, helping responses and interpretation. Students will be trained to work effectively with clients in a culturally competent fashion, and learn to understand a person's growth and development in the therapeutic process. Clinical Psychology (Counseling Practice) MA programs must complete this course with a minimum grade of B. PSYC 519 course covers consistent course material and content as PSYC 520.
Credits: 3
Course Notes: FOR MA STUDENTS ONLY.

PSYC 520 - BASIC CLINICAL SKILLS
Practical experience in developing basic clinical skills, such as effective inquiry, empathic listening, helping responses, and interpretation. Emphasis on matching therapist style with client characteristics; students prepare to work with clients of diverse backgrounds. PSYC 520 course covers consistent course material and content as PSYC 519.
Credits: 3
Course Notes: FOR PSYD STUDENTS ONLY.

PSYC 530 - ADVANCED RESEARCH METHODS
Empirical and qualitative methods of research including descriptive, relational, and experimental approaches. The application of relevant research findings to inform the practice of psychology broadly speaking, including, clinical mental health counseling, clinical psychology, and industrial/organizational psychology. Students will be prepared to evaluate methodology in published research and be taught how to design their own research studies. The skills learned will help them to analyze and utilize data to increase the effectiveness of interventions and programs.
Credits: 3

PSYC 540 - CHILDHOOD/ADOLESCENT SOCIAL SKILLS TRAINING
Training in the delivery of culturally sensitive social skills group-based treatment to children and adolescents. Intervention is based on learning theory principles. Course is taught in workshop format.
Credits: 3
Course Notes: Must have an undergraduate course in Learning.

PSYC 550 - BIOLOGICAL BASES OF BEHAVIOR FOR COUNSELING
Biological systems and processes that influence behavior will be discussed in this course. Issues pertaining to the development of a biopsychosocial treatment approach for use in clinical mental health counseling will be addressed. Issues often encountered in counseling practice are emphasized. 3 semester hours.
Credits: 3
Course Notes: Admission to graduate study in psychology.
PSYC 580 - LEARN BASES OF BEHAVIOR FOR COUNSELING
This course will focus on classical and operant conditioning-based influences on behavior. The application of these processes to counseling practices will be emphasized. Prerequisite for this course is admission to graduate study in psychology.
Credits: 3
Course Notes: Admission to graduate study in psychology.

PSYC 590 - DIRECTED RESEARCH
Student works as directed on research project of faculty member.
Credits: 1-3
Course Notes: Consent of faculty member needed.

PSYC 605 - PROFESSIONAL, LEGAL AND ETHICAL ISSUES
This course will provide an opportunity for understanding the concept of ethics as both an ideological and practical issue in the counseling profession. In a seminar/discussion format, the students will be expected to actively engage in provocative and challenging topics that affect the practice of counseling. Additional focus will be on professional standards, legislative regulation, risk management, and professional development. The counseling profession's ethical standards are addressed with an emphasis on the American Counseling Association code of ethics and counselor ethical decision-making processes.
PSYC 605 course covers consistent course material and content as PSYC 519.
Credits: 3
Prerequisites: MET with min score of MA Competency
Course Notes: FOR MA STUDENTS ONLY. MA students: competency required.

PSYC 606 - HUMAN DEVELOPMENT
This course provides a framework of the theoretical understanding of human development from birth to later adulthood, including issues of gender, family and socialization. The course is intended to illustrate the normal developmental processes that occur over a life span and sensitize counselors to events that may lead to a disruption of events that may eventually lead a person to seek counseling. Aspects of development discussed include biosocial, cognitive and psychosocial changes. Expected developmental milestones during each of these phases of development are addressed. PSYC 606 course covers consistent course material and content as PSYC 635.
Credits: 3
Prerequisites: MET with min score of MA Competency
Course Notes: FOR MA STUDENTS ONLY. MA students: competency required.

PSYC 619 - ASSESSMENT IN COUNSELING
The focus of this course will be on developing techniques for collecting, organizing, and using relevant information obtained from empirically derived tests and qualitative assessments to assist counseling clients in understanding themselves and in making meaningful life and career decisions. Instruments and inventories to be studied include intelligence tests, personality inventories, symptom tests and single-facet rating scales. Instructions for making referrals and interpreting psychological and counseling assessment will be reviewed.
Credits: 3
Prerequisites: MET with min score of MA Competency
Course Notes: MA clinical students only

PSYC 620 - INTELLECTUAL ASSESSMENT
Review of clinical psychometrics; intensive training in lifespan intellectual assessment with emphasis on the Wechsler tests; introduction to other individual and group intelligence tests; survey of controversial issues and current theoretical models of intelligence. Laboratory course; materials fee. Students must have completed coursework covering the theory of tests and measurement.
Credits: 3
Course Notes: PSYD STUDENTS ONLY.
Prereq: MA Competency or admission to PsyD program.

PSYC 623 - THEORIES OF COUNSELING & PSYCHOTHERAPY
Course will focus on major theories in counseling and psychotherapy as a means to understand the nature of the person and the development of life challenges. After examining constructs from the major theories, course participants will be encouraged to begin to formulate a personal practice theory. Students will learn appropriate treatment planning, goal setting, and intervention strategies based on counseling theory and the unique development and challenges of the individual.
Credits: 3
Prerequisites: PSYC 519 and MET with min score of MA Competency
Course Notes: MA Competency - MET.

PSYC 625 - PERSONALITY ASSESSMENT
Introduction to the objective method of personality evaluation; psychopathological assessment of adults emphasizing MMPI-2 and MCM-III interpretation; introduction to nonclinical personality evaluation and selected trait measures. Emphasis on writing of clinical reports and reviewing of applied psychometric research. Laboratory course; materials fee. Students must have completed coursework covering the theory of tests and measurement.
Credits: 3
Prerequisites: (MET with min score of MA Competency and PSYC 520) or (PSYC 520 and MET with min score of MA Competency)
Course Notes: Lab/Course Fee $20.00. PSYD STUDENTS ONLY
Prereq: MA Competency or admission to PsyD program.

PSYC 631 - PERSONALITY AND PSYCHOTHERAPY
Overview of major systems of psychotherapy and the theories of personality and pathology on which they are based. Theories of personality range from Freud's to current factor analytic models; systems of therapy range from classical psychosynthesis to postmodern. Students must have completed undergraduate coursework in theories of personality. Prereq: MA Competency or admission to PsyD program.
Credits: 3
Prerequisites: MET with min score of MA Competency
Course Notes: Admission to PsyD program required;

PSYC 633 - SOCIAL PSYCHOLOGY & GROUP DYNAMICS
Survey of research on small group performance and social systems. Discussion of methods and potential applications. Prereq: MA Competency or admission to PsyD program
Credits: 3
Prerequisites: MET with min score of MA Competency
Course Notes: MA Competency.
PSYC 634 - COMMUNITY PSYCHOLOGY & SOCIAL JUSTICE
Major issues, concepts, and techniques in community and group mental health, wellness, prevention, stress, social support, empowerment, and social justice. Application of group and community-level interventions in diverse community settings and for diverse populations with respect to ethnicity/race, culture, gender, sexual identity/sexual orientation, and disability. Prereq: MA Competency or admission to PsyD program
Credits: 3
Prerequisites: (MET with min score of MA Competency and PSYC 520) or (PSYC 520 and MET with min score of MA Competency)
Course Notes: PSYD STUDENTS ONLY

PSYC 635 - PROFESSIONAL, LEGAL, & ETHICAL ISSUES
Issues affecting the practice of professional psychology with emphasis on ethical and professional standards, legislative regulation, professional decision making, and current professional developments. PSYC 635 course covers consistent course material and content as PSYC 605.
Credits: 3
Course Notes: FOR PSYD STUDENTS ONLY.

PSYC 636 - HUMAN DEVELOPMENT
Human development throughout life. Emotional, social, cognitive, moral, and intellectual domains; gender roles and family relationships. PSYC 636 course covers consistent course material and content as PSYC 606.
Credits: 3
Course Notes: FOR PSYD STUDENTS ONLY.

PSYC 638 - HISTORY & THEORETICAL SYSTEMS
The course is designed to review the philosophical roots of psychology, and the tensions and controversies that have been part of psychology through the ages. Students will learn about the traditional historical systems including Structuralism, Functionalism, Behaviorism, Gestalt and Depth Psychology (psychoanalysis). Effort will be made to place the developments of the field in the context of the particular era, culture, and countries where the movement originated or predominated. Finally, students will explore modern developments through a historical lens.
Credits: 3
Prerequisites: MET with min score of MA Competency
Course Notes: PSYD Students Only. MA students by permission of instructor.

PSYC 639 - CHILDHOOD/ADOLESCENT ASSESSMENT
Advanced information-gathering skills using clinical interviews, standardized tests, and collaborative sources. Integration of information in conceptualizing problem behaviors. Developmental emphasis. Prereq: MA Competency or admission to PsyD program
Credits: 3
Prerequisites: MET with min score of MA Competency
Course Notes: MA competency required.

PSYC 640 - MENTAL HEALTH PRACTICE IN SETTINGS
In this course, students will review the structures and operations in private, agency, medical, school, and community organization settings in which professional counselors practice. Information on utilizing effective strategies to support client advocacy and influence public policy will be addressed. Students will learn about ways to promote programs that affect the practice of clinical mental health counseling and advocate for their clients based on their environmental setting.
Credits: 3
Prerequisites: MET with min score of MA Competency
Course Notes: MA students: competency required.

PSYC 641 - COGNITIVE/BEHAVIORAL COUNSELING
Opportunities for critical examination and application of theories and techniques in cognitive and behavioral approaches to therapy will be offered in this course. The application of these therapies, as applied to practice in clinical mental health counseling, will be covered. Applied course focusing on counseling theory, treatment planning, and intervention.
Credits: 3
Prerequisites: PSYC 519 and PSYC 505 and PSYC 516 and PSYC 530 and MET with min score of MA Competency
Course Notes: FOR MA STUDENTS ONLY., PSYC 519 or PSYC 520 with B or higher grade;., MA Competency - MET.

PSYC 641A - COGNITIVE BEHAVIORAL THERAPY I
Part I of two-part course. Critical examination of theory and techniques in cognitive and behavioral approaches to therapy.
Credits: 3
Course Notes: Admission to PsyD Program.
Prereq: Admission to PsyD program.

PSYC 641B - COGNITIVE BEHAVIORAL THERAPY II
Continuation of Cognitive Behavioral Therapy I.
Credits: 3
Course Notes: Admission to the PsyD Program. Requires PSYC 641A in fall, term.
Prereq: Admission to PsyD program.

PSYC 642 - PSYCHODYNAMIC COUNSELING
Critical didactic and experiential examination of theory and techniques in psychodynamic counseling, as applied to work in clinical mental health settings, will be covered in this course. Applied course focusing on counseling theory, treatment planning, and intervention.
Credits: 3
Prerequisites: (PSYC 519 or PSYC 520) and MET with min score of MA Competency
Course Notes: For MA students only., PSYC 519 or PSYC 520 with B or higher grade;., MA Competency - MET.

PSYC 642A - PSYCHODYNAMIC THEORY I
Introduction to critical examination of theory and techniques in psychodynamic psychotherapy.
Credits: 3
Course Notes: Must be admitted to the PsyD Program.

PSYC 642B - PSYCHODYNAMIC THEORY II
Continuation of critical examination of theory and techniques in psychodynamic psychotherapy.
Credits: 3
Course Notes: Admission to PsyD Program required.

PSYC 643 - EVIDENCE-BASED PRACTICE
Critical analysis of research on treatment interventions; integration of clinical research and practice; focus on evidence based practice and empirically supported treatments. Prereq: MA Competency or admission to PsyD program; Psyc 520 with minimum grade of B.
Credits: 3
Course Notes: PSYD STUDENTS ONLY. Students should also have completed, two PSYC 640 or 650-level courses., Lab/Course Fee $20.00.

PSYC 644 - MULTICULTURAL PSYCHOLOGY
Theory and research on culturally based differences in behavior. Impact of such information on psychological assessment and therapy. PSYC 644 course covers consistent course material and content as PSYC 645.
Credits: 3
Course Notes: FOR PSYD STUDENTS ONLY.
PSYC 645 - MULTICULTURAL COUNSELING
This course is designed to provide students with a general framework for understanding issues related to mental health services with people from diverse populations. The influence of socio-identities (e.g., race, ethnicity, religion, gender, socioeconomic status, sexual orientation, religious preferences) on individuals' functioning, concerns, and the counseling process will be explored. This course is designed to increase students' awareness and knowledge of, and skills related to, multicultural counseling and the delivery of counseling services. Students explore diversity and identity issues and discuss their impact on the therapeutic relationship. PSYC 645 course covers consistent course material and content as PSYC 644.
Credits: 3
Prerequisites: (PSYC 519 or PSYC 520) and MET with min score of MA Competency
Course Notes: FOR MA STUDENTS ONLY., PSYC 519 or PSYC 520 with B or higher grade;, MA Competency - MET.

PSYC 649 - GROUP COUNSELING THEORIES & PROCESSES
This course is designed to provide students with an understanding of group development, process and dynamics. Students will learn, in an experiential manner, theoretical and practical concepts related to the practice of group counseling and psychotherapy. PSYC 649 course covers consistent course material and content as PSYC 650.
Credits: 3
Prerequisites: (PSYC 519 or PSYC 520) and MET with min score of MA Competency
Course Notes: FOR MA STUDENTS ONLY., PSYC 519 or PSYC 520 with B or higher grade.; MA Competency - MET.

PSYC 650 - GROUP PSYCHOTHERAPY
Didactic and experiential exploration of theory and techniques in group psychotherapy. PSYC 650 course covers consistent course material and content as PSYC 649.
Credits: 3
Prerequisites: (PSYC 520 and MET with min score of MA Competency) or (PSYC 520 and MET with min score of MA Competency)
Course Notes: FOR PSYD STUDENTS ONLY.

PSYC 651 - EXPERIENTIAL GROUP THERAPY
Didactic and experiential introduction to the experiential context of group psychotherapy. Focus on action methods and role playing combined with therapeutic simulation of cognitive techniques. Experiential course that may involve self-disclosure. Prereq: MA Competency or admission to PsyD program; Psyc 520 with minimum grade of B., MA Competency - MET.
Credits: 3
Course Notes: MA students must have achieved competency.

PSYC 652 - PSYCHOTHERAPY OF WOMEN
Issues and controversies related to the participation of women in the therapeutic relationship both as psychotherapists and as clients.
Credits: 3
Course Notes: MA students must have achieved competency.
Prereq: MA Ccompetency or admission to PsyD program; Psyc 520 with minimum grade of B.

PSYC 653 - BRIEF PSYCHOTHERAPIES
Three models of contemporary brief psychotherapy: single-session interventions, planned brief psychotherapy, and short-term psychodynamic psychotherapy.
Credits: 3
Course Notes: MA students must have achieved competency.
Prereq: MA Ccompetency or admission to PsyD program; Psyc 520 with minimum grade of B.

PSYC 654 - CHILDHOOD & ADOLESCENT THERAPY
Didactic foundation to individually oriented child and adolescent psychotherapy. Challenges involved in working with school-age children and adolescents. Emphasis on establishing rapport with children, conducting a developmentally appropriate interview, and learning a range of evidence based treatment techniques.
Credits: 3
Prerequisites: (PSYC 520 and MET with min score of MA Competency) or (PSYC 519 and MET with min score of MA Competency)
Course Notes: MA students must have achieved competency.

PSYC 655 - COUPLES AND FAMILY COUNSELING
This course presents a survey of the leading theorists and concepts in the field of family therapy and counseling. Students will become better acquainted with this field of counseling and will acquire skills necessary to work with families and couples. The primary focus will be on models of family and couples conceptualization, treatment planning, and intervention. A review of literature on couples, family strengths and conflicts, systems assessment and interventions to enhance couples and familial functioning will be covered in this course. PSYC 655 course covers consistent course material and content as PSYC 656.
Credits: 3
Prerequisites: (PSYC 519 or PSYC 520) and MET with min score of MA Competency
Course Notes: FOR MA STUDENTS ONLY., PSYC 519 or PSYC 520 with B or higher grade.; MA Competency - MET.

PSYC 656 - COUPLES & FAMILY THERAPY
Didactic foundation to skills necessary for marital and family therapy. Review of literature on normal marital and family functioning, marital and family conflicts, and basic interventions designed to enhance marital and familial functioning. Specific strategies for assessment and intervention. PSYC 655 course covers consistent course material and content as PSYC 656.
Credits: 3
Prerequisites: (PSYC 519 or PSYC 520) and MET with min score of MA Competency
Course Notes: FOR PSYD STUDENTS ONLY.

PSYC 661 - QUESTIONNAIRE DEVELOPMENT
Individual testing of aptitudes and personality; honesty testing. Materials fee.
Credits: 3
Course Notes: MA students- competency required., Open to MA and PhD.

PSYC 662 - CONFLICT RESOLUTION IN ORGANIZATIONS
This seminar will address the specific areas of managing and resolving conflict in decision making; organizational and group pressure on individuals; covert dependency and the "cult" like pressures that influence behavior and action in organizations. Special attention will be given on how to surface the "undiscussable" but often obvious impediments to establishing the trust, open communication, and alignment necessary to achieve organizational effectiveness.
Credits: 3
Course Notes: MA students-competency required.

PSYC 663 - SPECIAL TOPICS: INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY
Credits: 3
Course Notes: Open to MA and PhD.
PSYC 664 - JOB ANALYSIS & PERFORMANCE MANAGEMENT
Theories and techniques used in analyzing and classifying employee positions; models and methods for analyzing and improving employee performance.
Credits: 3
Course Notes: MA students-competency required. Psyc 444 or PSYC 462 or, PSYC 463 with a min grade of B and a course in Intermediate, Statistics required.

PSYC 665 - OCCUPATIONAL HEALTH PSYCHOLOGY
This course is a survey of the research and theory in occupational health psychology. Organizations are becoming more cognizant of their role as facilitators for the health of their employees, as well as the potential for cost savings through various OHP-related programs/policies. You will be exposed to the current research and practice in the areas of safety, stress, fitness, and health in the workplace. At the end of this course, you should be able understand the basic findings in the area of health in the workplace, critically evaluate research in OHP, and apply health research findings to help employees and organizations.
Credits: 3

PSYC 666 - LEADERSHIP AND MOTIVATION
Survey of research and theory in organizational leadership and motivation. In leadership, roles of leader traits, followership, variety of contextual factors. To better understand employee motivation, the impact of needs, values, affect, power, attitudes, job design, equity, and goals are considered.
Credits: 3

PSYC 668 - ORGANIZATIONAL ASSESSMENT/DEVELOPMENT
Approaches for analyzing groups and organizations; methods and techniques for improving performance of groups and teams.
Credits: 3

PSYC 669 - INSTRUCTIONAL DESIGN/TRAINING
Theoretical issues and methods for identifying training issues such as goal and task analyses, feature analysis, and performance analysis. Overview of the associated instructional and learning issues.
Credits: 3
Course Notes: MA students competency required. Industrial Organizational, competency required. Open to MA and PhD.

PSYC 670 - APPLIED PSYCHOLOGICAL MEASUREMENT
Coverage of technical principles involved in valid and reliable psychological assessment instrumentation, evaluation of existing test scales on the basis of their psychometric properties, creation and evaluation of new psychological scales, emerging testing methodologies (e.g. C.A.T.), translation of information from test findings to appropriate conclusions about an individual consistent with test results.
Credits: 3

PSYC 671 - DIVERSITY IN ORGANIZATIONS
Introduction to issues related to diversity in organizations. Focus on examining these issues from a psychological perspective. Diversity is considered as it pertains to demographic, sexual orientation, disability, and other forms of heterogeneity of people associated with organizational domains such as performance appraisal, leadership diversity, training, mentoring, creating and sustaining strategies for addressing diversity.
Credits: 3

PSYC 672 - ORG CULTURE, PERS. STRATEGY
Seminar and workshop format focuses on role of the I/O Psychologist as objective catalyst to improve vitality, health, effectiveness of an organization to fulfill strategic vision. Enhancing students’ awareness, capability to utilize appropriate diagnostic tools, interventions, best practices to establish a common sense of purpose fusing individual motivation with organizational objectives. Organizations studies will be from real world consulting experiences and applied personality and management practices. Students will work individually and in groups diagnosing impediments to organizational effectiveness and applying systemic corrective interventions.
Credits: 3

PSYC 673 - CONSULTING SKILLS
Active workshop addressing core business, ethical issues, project and client management skills essential to effective consulting. Participants will critically evaluate and assess current and desired skills to develop and retain clients, define a business model, respond to and draft proposals, create opportunities, develop and manage client expectations, create and stick to realistic project plans, deliver acceptable work products with other consulting team (class) members.
Credits: 3
Prerequisites: PSYC 462 and PSYC 463 and PSYC 530

PSYC 681 - INSTRUCTOR DEVELOPMENT PROGRAM
A multifaceted learning experience for doctoral teaching fellows. Participants learn effective college teaching skills, rehearse a range of teaching methods, reflect on their teaching during videotaped consultation, and prepare a teaching portfolio. Review of didactic material and hands-on learning activities. Note: Instructor Consent required.
Credits: 3
Course Notes: Instructor consent.

PSYC 682 - PSYCHOLOGY SEMINAR
Involvement of psychologists in leadership and management of not-for-profit agencies. Exploration of program and management skills. Topics may include (but not limited to): program development, grant-writing, human resource management, budget review, board of director responsibilities, strategies for local and state advocacy, and fund development. Prereq: MA C competency or admission to PsyD program Credits: 1-3

PSYC 683 - SEMINAR
Credits: 3

PSYC 684 - DATA ANALYSIS/SPSS
Credits: 3

PSYC 685 - SEMINAR
Credits: 3

PSYC 688 - SPECIAL TOPIC IN CLINICAL PSYCHOLOGY
Special Topic in Clinical Psychology will cover topics of interest to graduate-level clinical psychology students. Past topics have included health psychology, biopsychology, stress and illness. Please return to the course listing and click the CRN number (highlighted in red) for a more detailed description of this term's course.
Credits: 1-3

PSYC 689 - SEMINAR
Credits: 3
PSYC 690 - MA THESIS
Preparation, development, and execution of acceptable experimental or library research project under supervision of student's thesis committee. For MA students only.
Credits: 3,6
Course Notes: MA Students Only; Prereq's plus Competency Req. Formerly PSYC 490. Undergraduate statistics course.

PSYC 690Y - THESIS COMPLETION
Continuation of the MA thesis beyond Psyc 690 A and Psyc 690 B work that extends beyond one semester. Prereq: MA Competency
Credits: 0

PSYC 691 - DOCTORAL PRACTICUM I
Credits: 3
Course Notes: Consent

PSYC 695 - INDEPENDENT STUDY
Supervised individual study or research in specified area of interest.
Credits: 1-3
Course Notes: MA students must have achieved competency. Consent of, instructor department chair.

PSYC 697A - MA CLINICAL INTERNSHIP
Professional services of no less than 750 total hours during period of not less than 36 weeks in an applied phase of psychology in recognized institution or vocational setting under competent supervision. Students will be able to demonstrate basic counseling skills and ethical behavior. Students will be evaluated after 150 hours to assess skills of their initial practicum/prepracticum experience. A minimum of 600 hours will be completed in the practicum/internship experience during Psyc 697A and 697B where students demonstrate more advanced skills in counseling practice. Students attend a practicum seminar weekly. Students in the clinical psychology programs must complete all course work; students in the clinical psychology (counseling practice) program must complete at least 12 courses.
Credits: 3
Course Notes: FOR MA STUDENTS ONLY, Prerequisite: 36 Hours of Completed Coursework required.

PSYC 697B - MA CLINICAL INTERNSHIP
Professional services of no less than 750 total hours during period of not less than 36 weeks in an applied phase of psychology in recognized institution or vocational setting under competent supervision. Students will be able to demonstrate basic counseling skills and ethical behavior. Students will be evaluated after 150 hours during PSYC 697A to assess skills of their initial practicum/prepracticum experience. A minimum of 600 hours will be completed in the practicum/internship experience during PSYC 697A and PSYC 697B where students demonstrate more advanced skills in counseling practice. Students attend a practicum seminar weekly. Students in the clinical psychology programs must complete all course work; students in the clinical psychology (counseling practice) program must complete at least 12 courses.
Credits: 3
Course Notes: FOR MA STUDENTS ONLY, Prerequisite: 36 Hours of Completed Coursework required.

PSYC 697Y - MA CLINICAL INTERNSHIP CONTINUED
Professional services of no less than 750 total hours during period of not less than 36 weeks in an applied phase of psychology in recognized institution or vocational setting under competent supervision. Students will be able to demonstrate basic counseling skills and ethical behavior. Students will be evaluated after 150 hours during 698A to assess skills of their initial practicum/prepracticum experience. A minimum of 600 hours will be completed in the practicum/internship experience during 698A and 698B where students demonstrate more advanced skills in counseling practice. Students attend a practicum seminar weekly. Students in the clinical psychology programs must complete all course work; students in the clinical psychology (counseling practice) program must complete at least 12 courses.
Credits: 0

PSYC 698A - MA CLINICAL PRACTICUM
First semester of supervised experience in the delivery of professional services. The full, two-semester sequence will consist of of no less than 750 hours during period of not less than 40 weeks. Practicum placements are arranged through the department’s Director of Training. Students attend a weekly practicum seminar on campus. Students in the clinical psychology programs must complete all course work; students in the clinical professional psychology program must complete at least 13 courses.
Credits: 3
Course Notes: Must have Director of Training's approval. Prereq: MA Competency and eligibility approved by Director of Clinical MA Programs.

PSYC 698B - MA CLINICAL PRACTICUM CONTINUED
Second semester of supervised experience in the delivery of professional services. The full, two-semester sequence will consist of of no less than 750 hours during period of not less than 40 weeks. Practicum placements are arranged through the department’s Director of Training. Students attend a weekly practicum seminar on campus. Students in the clinical psychology programs must complete all course work; students in the clinical professional psychology program must complete at least 13 courses.
Credits: 3
Course Notes: Must have Director of Training's approval. Prereq: MA Competency and eligibility approved by Director of Clinical MA Programs.

PSYC 698Y - MA CLINICAL PRACTICUM CONTINUED
Continuation of practicum registration beyond Psyc 698 A and Psyc 698 B.
Credits: 0
Course Notes: Must have Director of Trainer’s approval. Prereq: MA competency and approved eligibility.

PSYC 699 - MA INDUSTRIAL/ORGANIZATIONAL PRACTICUM
Professional services of no less than 400 hours in an applied organization or project in industrial/organizational psychology or human resources in a recognized institution or vocational setting under competent supervision. Practicum report and paper required (specific instructions available from I/O program).
Credits: 3
Course Notes: First reader/advisor needs to be identified, before enrolling in class. See practicum, packet for more specific information.

PSYC 699Y - PRACTICUM COMPLETION
Continuation of the MA I/O practicum beyond the initial semester of registration.
Credits: 0
PSYC 710 - BIOPSYCHOLOGY
Comprehensive introduction to basic neuroanatomy, physiology, and clinical neuroscience. Emphasis on brain-behavior relationships.
Credits: 3
Course Notes: Psy.D. program admission required.

PSYC 712 - PSYCHOPHARMACOLOGY
Examination of different classes of psychopharmacological agents and interventions in psychobiological conditions. Emphasis on use of psychotropic medications in management and treatment of behavioral disorders.
Credits: 3

PSYC 716 - COGNITIVE, AFFECTIVE, & LEARNED BASE OF BEHAVIOR
Review of the role of classical conditioning models in affective behavior, operant conditioning models in goal-directed behavior, and of the use of cognitive models to capture acquired histories. Analysis of contemporary research on these models applied to human emotion, overt behavior and psychopathology.
Credits: 3
Course Notes: Open to MA PhD.

PSYC 719 - CLINICAL NEUROPSYCHOLOGY
Major neurological disease syndromes including the group of dementias, seizure disorders, and syndromes associated with cardiovascular disease and traumatic brain injuries. Case study models, multidisciplinary referral issues, and neuropsychological testing data. Extended neuropsychological mental status examination techniques with possible patient contact at cooperating institutions.
Credits: 3
Prerequisites: PSYC 710
Course Notes: Psy.D. Prg. Consent of instructor. 1 course in, Biopsychology.

PSYC 720 - NEUROPSYCHOLOGICAL ASSESSMENT
Introduction to behavioral neurology and principles of brain-behavior relationships; comprehensive neuropsychological empirical screening battery and introduction to the Halstead-Reitan Neuropsychological Battery and computer-based adaptive assessment instruments. Laboratory course; materials fee.
Credits: 3
Prerequisites: (PSYC 620 and PSYC 710) or (PSYC 620 and PSYC 710)
Course Notes: Psy.D. Only

PSYC 725 - PROJECTIVE PERSONALITY ASSESS
Intensive training in the administration, coding, and clinical interpretation of the Rorschach Inkblot Method as a lifespan projective technique; training in the use of the Comprehensive System; other projective techniques, notably the Thematic Appreciation Technique; accessing interpretative software. Laboratory course; materials fee.
Credits: 3
Course Notes: Psy.D. Prog.

PSYC 727 - ADVANCED PSYCHODIAGNOSTICS
Seminar on becoming a reflective lifespan psychodiagnostician. Review of utility and limitations of DSM-based classification of psychopathology; introduction of a developmental 'successive sieve' assessment model emphasizing conceptual relationships among tests; equal emphasis on psychometric and projective assessment, psychopathological inference from psychodynamic personality structure, and neuropsychological interface issues. Development of a personal accountable writing style. Assessment conclusions linked to specific treatments.
Credits: 3
Prerequisites: PSYC 620 and PSYC 625 and PSYC 725
Course Notes: Psy.D. Prg.

PSYC 735 - CLINICAL SUPERVISION & CONSULTATION
Theories and techniques of clinical supervision. A laboratory course which provides didactic instruction and practical experience in the development of supervisory skills.
Credits: 3
Course Notes: Enrollment in a clinical practicum required.

PSYC 740 - ADVANCED PSYCHOTHERAPY SEMINAR
In-depth critical consideration of one or more advanced psychotherapy topics to be selected by instructor. Topics may focus on psychotherapy theory, research, techniques, or practice.
Credits: 3
Prerequisites: PSYC 641A and PSYC 642A

PSYC 741 - CHILD PSYCHOPATHOLOGY
Didactic foundations of contemporary developmental psychopathology. Emphasis on DSM-IV based assessment, family systems model, linking diagnoses to empirically supported treatments, child abuse evaluation, and developing competence in multicultural assessment throughout the socioeconomic spectrum.
Credits: 3
Course Notes: PsyD program admission required.

PSYC 751 - ADVANCED INDUSTRIAL PSYCHOLOGY
This is a graduate level course in industrial psychology. The course will explore current research, theory and applications associated with personnel psychology. These include but are not limited to job analysis, recruitment, compensation, selection, validation, fairness, training and development, performance appraisal and business ethics.
Credits: 3

PSYC 752 - EMPLOYEE SELECTION
Introduces the student to employee selection and placement issues including staffing requirements, recruitment strategies, development and validation of selection procedures, classification and placement of employees, problems associated with person-job matching and socialization of new employees.
Credits: 3

PSYC 753 - TRAINING & DEVELOPMENT
An examination of employee training and human resource development from both research settings and applied settings. Topics include the development, administration, and evaluation of training programs; employee development; career development; and organizational change.
Credits: 3
PSYC 756 - ADVANCED ORGANIZATIONAL PSYCHOLOGY
This course is a survey of research and theory in organizational psychology. As such, the main objective of this course is to expose you to the many areas of organizational psychology, including motivation, job attitudes, stress, team processes, leadership, and organizational culture. Throughout the semester, you will have an opportunity to explore these topics within the core areas of organizational psychology. We will read and discuss a selected sample of illustrative research in each of these areas.

Credits: 3
Course Notes: Admission to Ph.D. Program.

PSYC 757 - LEADERSHIP AND MOTIVATION
Selected topics pertaining to leadership, motivation, and individual processes are surveyed; students' ability to understand and apply diverse approaches to the leadership and motivation of people in organizations is emphasized by readings, lecture, class discussion, and case analyses of pertinent management materials.

Credits: 3

PSYC 771 - INTERMEDIATE STATISTICS
Analysis of variance and factorial designs; bivariate and multiple correlation and regression; testing of hypothesis using other statistical tests, including nonparametric tests; introduction to computer applications in psychological research. Students must have completed undergraduate coursework in basic statistics.

Credits: 3

PSYC 772 - ADVANCED STATISTICS (REGRESSION)
Survey of popular multivariate statistical techniques including experience with SPSS or other computer statistical packages. Topics may include multiple regression, canonical correlation, discriminant analysis, principal components analysis, factor analysis, cluster analysis, and general issues in the management of large scale data analysis.

Credits: 5
Prerequisites: PSYC 771

PSYC 773 - MULTIVARIATE STATISTICS

Credits: 3

PSYC 774 - GROUPS AND TEAMS
Collaboration and teamwork enable you to accomplish tasks that are impossible to achieve if you work alone. Teamwork has been always the driver of creativity and innovation. In the past two decades, we have witnessed the series of radical changes and the revolution in human interaction. The formats of teamwork and collaboration have drastically changed and become much more fluid and flexible due to the advancements in communication technologies. People are expected to work with not only others in immediate environments but also those who are in different regions and time zones. Organizations use global teams to create synergies of human capital available in the host countries as well as in remote regions. The extent to which you can successfully work with others and effectively lead your team determines the success of your career.

Credits: 3

PSYC 775 - ADVANCED ORGANIZATIONAL PSYCHOLOGY
This course will provide an opportunity to review, discuss and analyze the ethical dilemmas faced in field research and the practice of industrial organizational psychology. Case studies and related real world experiences will be the central focus of our inquiry into developing a process, professional skills. You will be asked to read and provide analysis as well as written commentary on more cases than we will be able to review thoroughly in our weekly discussions. A key learning objective of this seminar is to heighten our awareness that almost every intervention made by an industrial & organizational psychologist working with an organization will impact an organization's culture, climate, stress tolerance trust levels as well as the individual people that comprise the organization. Another learning objective will be to increase your knowledge and understanding of accepted business practices, disciplines, jargon and nomenclature since most careers in I/O Psychology will be involve

Credits: 3

PSYC 776 - ETHICAL ISSUES
Formal preparation for doctoral project. Students complete a formal doctoral project proposal in one of the following five areas: traditional empirical study, case study, review of the literature, applied program-targeted research such as grant proposals, and treatment and program evaluations.

Credits: 1.5-3
Prerequisites: PSYC 530 (may be taken concurrently)
Course Notes: PsyD Candidacy

PSYC 777 - DOCTORAL PROJECT SEM. CONT.
Credits: 0

PSYC 778 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 779 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 780 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 781 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 782 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 783 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 784 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 785 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 786 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 787 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 788 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 789 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 790 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 791 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 792 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 793 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 794 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 795 - DOCTORAL PROJECT SEM.
Credits: 0

PSYC 796 - DOCTORAL PROJECT SEM.
Credits: 0
**PSYC 792 - CLINICAL PRACTICUM 2**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: Psy.D. Prog. Relevant testing or therapy.

**PSYC 792A - DOCTORAL CLINICAL PRACTICUM 2**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: PSYC D Prog. Relevant testing or therapy. Must have Director of Training's approval.

**PSYC 792B - DOCTORAL CLINICAL PRACTICUM 2 CONTINUED**
Sequence of four or more semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 0
Course Notes: Must have Director of Training's approval.

**PSYC 793 - CLINICAL PRACTICUM 3**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: Psy.D. Prog. Relevant testing or therapy.

**PSYC 793A - DOCTORAL CLINICAL PRACTICUM 3**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: PSYC D Prog. Relevant testing or therapy. Must have Director of Training's approval.

**PSYC 793B - DOCTORAL CLINICAL PRACTICUM 3**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: PSYC D Prog. Relevant testing or therapy. Must have Director of Training's approval.

**PSYC 793Y - DOCTORAL CLINICAL PRACTICUM CONTINUED**
Sequence of four or more semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 0
Course Notes: Must have Director of Training's approval.

**PSYC 794 - CLINICAL PRACTICUM 4**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: Psy.D. Prog. Relevant testing or therapy.

**PSYC 794A - DOCTORAL CLINICAL PRACTICUM 4**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: PSYC D prog. Relevant testing or therapy. Must have Director of Training's approval.

**PSYC 794B - DOCTORAL CLINICAL PRACTICUM 4**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: PSYC D Prog. Relevant testing or therapy. Must have Director of Training's approval.

**PSYC 794Y - DOCTORAL CLINICAL PRACTICUM 4 CONTINUED**
Sequence of four or more semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 0
Course Notes: Must have Director of Training's approval.

**PSYC 795 - CLINICAL PRACTICUM 5**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: Relevant testing or therapy.

**PSYC 795A - CLINICAL PRACTICUM 5**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: PSYC D Prog. Relevant testing or therapy.

**PSYC 795B - CLINICAL PRACTICUM 5 COMPLETION**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: PSYC D Prog. Relevant testing or therapy.

**PSYC 796 - CLINICAL PRACTICUM 6**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: Relevant testing or therapy.

**PSYC 796A - CLINICAL PRACTICUM 6**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: PSYC D Prog. Relevant testing or therapy.

**PSYC 796B - CLINICAL PRACTICUM 6 COMPLETION**
Sequence of four semesters of supervised practicum placement at approved agencies where students can obtain practical experience in clinical skills.
Credits: 3
Course Notes: PSYC D Prog. Relevant testing or therapy.

**PSYC 796Y - PRACTICUM SEMINAR COMPLETION**
Credits: 0
PSYC 799 - CLINICAL INTERNSHIP
Clinical internship at an agency approved by the internship coordinator.
Ordinarily one year of full-time training.
Credits: 1.5
Course Notes: Doctoral candidacy completion of all required coursework, practica, thesis (if chosen instead of 699).

PSYC 799Y - CLINICAL INTERNSHIP COMPLETION
Continuation of the clinical internship beyond the initial semester of registration.
Credits: 1.5
PUBLIC ADMINISTRATION (PADM)

PADM 400 - PUBLIC SERVICE IN THE UNITED STATES
Introduction to theory and practice of public administration in the US. Emphasizes on US governmental structure and processes, nature and theory of complex service organizations, and current trends with future directions of public service management.
Credits: 3
Attributes: Social Science

PADM 401 - MANAGEMENT PRACTICES FOR PUBLIC SECTOR
Management competencies relevant for public, health, environmental, criminal justice, and nonprofit organizations. Overview of management concepts, theories, models, and techniques in managing change, supervision, communication, ethics, and organization.
Credits: 3
Prerequisites: PADM 400 (may be taken concurrently)
Course Notes: or Instr. consent

PADM 402 - ISSUES IN DEVELOPMENT & ADMINISTRATION PUBLIC POLICY
The process of making and implementing effective public policy with special attention to the influences of policies, bureaucracy, media, interest groups, and intergovernmental structure. Case studies of selected issues.
Credits: 3
Attributes: Social Science
Course Notes: Course meets the MPA policy requirement.

PADM 403 - QUANTITATIVE METHODS
Fundamentals of descriptive and inferential statistical analysis. Computer applications that support the presentation and analysis of quantitative data and the role of computers in information systems management.
Credits: 3

PADM 404 - HUMAN RESOURCE MANAGEMENT
Skills, techniques, and practices used in public health, environmental, criminal justice, and nonprofit organizations. Topics include organizing, staffing, the personnel function, merit systems, labor relations, equal employment opportunity, workplace diversity, and employee rights.
Credits: 3

PADM 405 - PUBLIC BUDGET & FINANCIAL MANAGEMENT
Concepts, methods, and processes of financial management with an emphasis on the public sector. Topics include budget preparation, financial analysis, organization of the finance function, pricing of services, taxes and other revenue sources, and financial reporting.
Credits: 3
Prerequisites: PADM 400 (may be taken concurrently)

PADM 406 - RESEARCH AND EVALUATION METHOD
Methods and concepts for program and policy analysis including problem formulation, research design, and data collection methods. Emphasis on management skills of needs assessment, program design, implementation, evaluation, and cost analysis.
Credits: 3
Prerequisites: PADM 400 (may be taken concurrently)

PADM 407 - DATA ANALYTICS
This course will expose students to data analytics practices in the public sector. Through a combination of lectures, case studies, and hands-on learning this course provides an introduction to data analytics techniques and their public sector application. The course will cover both quantitative methods and research techniques from a data consumer perspective. The course will explore such key areas as the analytical process, how data is created, stored, accessed, and how a public sector organization works with data and creates the environment in which analytics can flourish. This course provides a strong foundation in all the areas that support analytics and will help the student to better position his or herself for success as a manager within the public sector.
Credits: 3
Prerequisites: PADM 400 and PADM 401 and PADM 404
Course Notes: or consent

PADM 408 - TOPICS IN POLICY MAKING
Content varies. Please select the red crn for a description of this course.
Credits: 3
Course Notes: Course meets the MPA policy requirement.

PADM 409 - EDUCATIONAL FINANCE
This course is designed for graduate students who will examine school finance from various perspectives: historical, governmental (local, state and federal); political; philosophical; and practical. The course will cover topics from the essentials of school funding and budget preparation, to debt financing and retirement systems. Course assessments will emphasize analysis of school district finances and available data. Learning activities are designed to focus on practical issues in school finance and topics of interest to students.
Credits: 3

PADM 410 - HOUSING POLICY AND FINANCE
This course is designed for graduate students who will examine housing policy and finance from a political, economic, and philosophical point of view. It will cover the basic mechanisms of the private housing market and how those mechanisms are supported and regulated by public policy; competing aims of housing policy; and important topics in housing finance, including home mortgages, low income housing tax credits, and public housing. Course assignments will emphasize comprehension and synthesis of debates in housing policy that requires a sophisticated understanding of the housing policy and finance ecosystem.
Credits: 3

PADM 411 - POVERTY POLICY
This course focuses on the policy processes, historical context, and sociocultural issues surrounding antipoverty policy in the United States, including how poverty is defined and applied. In understanding poverty and antipoverty policy in the United States this course pays particular attention to issues of place, gender, and race.
Credits: 3
Course Notes: Course meets the MPA policy requirement.

PADM 419 - STRATEGIC PLANNING FOR PUBLIC ADMINISTRATION
This course provides an opportunity for students to integrate lessons from the disciplines of the program in an experience of organizational strategy and planning. The curriculum will draw on an understanding of business, marketing, communication, persuasion, and project management as students examine the planning process through readings and a series of experiential projects. The class will consider strategic planning processes of visioning, market analysis, capacity assessment, data gathering, dialogue, synthesis and assessment.
Credits: 3
PADM 420 - THE PUBLIC SECTOR, SOCIAL JUSTICE, AND COMMUNITY ORGANIZING
This course covers the role of the public sector in addressing social justice issues; the history and impact that the public sector has had in creating inequity in the United States in areas including housing, economic development, public health, education, safety, and environment; and how the public sector can leverage community organizing and community engagement to build greater equity and empowerment. Credits: 3

PADM 421 - THE NONPROFIT SECTOR IN THE UNITED STATES
History and purpose of nonprofit organizations in the US. Scope and legal structure of nonprofit sector. Historical, political, economic, and sociological perspective on nonprofit organizations. Credits: 3

PADM 422 - PROGRAM EVALUATION FOR NONPROFIT ORGANIZATIONS
Examine key concepts, methods, and approaches in the field of evaluation research. Students are exposed to the theoretical and methodological diversity inherent in current evaluation practices across a number of substantive areas (e.g., social services, education, advocacy, and business practices). Credits: 3
Course Notes: Meets the service learning requirement.

PADM 423 - PROGRAM EVALUATION FOR NONPROFIT ORGANIZATIONS
Examine key concepts, methods, and approaches in the field of evaluation research. Students are exposed to the theoretical and methodological diversity inherent in current evaluation practices across a number of substantive areas (e.g., social services, education, advocacy, and business practices). Credits: 3
Course Notes: Meets the service learning requirement.

PADM 424 - RESOURCE DEVELOPMENT IN NONPROFIT ORGANIZATIONS
Fundraising, marketing, and strategic planning in the nonprofit context; identifying, serving, and communicating with key constituencies including funders, media, constituents, and the community. Credits: 3
Course Notes: Is a nonprofit concentration course. Also, is required for the nonprofit certificate. Includes a service learning, component.

PADM 426 - FOOD JUSTICE: FOOD POLICY IN THE US
This course considers the complicated politics of food regulation, production, distribution, and consumption. During the semester we will discuss how food policy is made and its practical impacts. We will look at the world of agricultural lobbying, subsidies, and policy making. We will consider consumer rights, worker rights, and environmental justice issues within food production. And, we will examine some of the various social movements that have emerged in response to these issues, including the growing food sovereignty movement. Credits: 3
Prerequisites: PADM 400 (may be taken concurrently)
Course Notes: Course meets the MPA policy requirement.

PADM 428 - LEADERSHIP IN PUBLIC ADMINISTRATION
Leadership in the public policy process, including models of leadership and public/private partnerships in local governance. Credits: 3
Course Notes: Course meets the MPA policy requirement.

PADM 450 - HEALTH, ILLNESS, & MEDICINE IN AMERICAN SOCIETY
Sociopolitical analysis of the organization and delivery of health care in the US. Topics include the meaning of illness, the social transformation of medicine; the effects of class, race, and gender on disease; the medicalization of birth; AIDS; assisted suicide; health care reform; professional autonomy; alternatives to managed care. Credits: 3

PADM 451 - INTRODUCTION HEALTH SERVICES
History and development of the health services system. Description and evaluation of ambulatory, acute, and long-term care; mental health; and public health systems. Credits: 3

PADM 452 - HEALTH POLICY
Health policy examines the development by government and other policy makers of present and future objectives pertaining to health care and the health care system. It will focus on the articulation of arguments and decisions regarding these objectives in legislation, judicial opinions, regulations, guidelines, standards, and key health policy influences that affect health care and public health. This includes the role of economic, technological, social, cultural and other influences on policy development; and the effects of resulting policies, guidelines, standards and protocols. Credits: 3

PADM 453 - MEDICAL ETHICS AND THE LAW
Administrative concerns regarding ethical and legal aspects of the delivery of health services. Extensive use of case studies. Credits: 3

PADM 454 - HEALTH FINANCE
This course involves a broad analysis of the financial structures and systems of American healthcare service and delivery, with an emphasis on the public sector. Students will learn the following: how public and private systems intersect and work together to provide health care; the major policy debates over how those systems should work; and how those systems affect different population subgroups differently. Credits: 3
Course Notes: or instr. consent

PADM 455 - MANAGING AND MARKETING INTERGRATED HEALTH SYSTEMS
Managed care and integrated delivery systems as they affect health care delivery and policy. Management issues including contracting, compensation, provider behavior, authorization, and utilization systems. Provider and patient issues, particularly those related to Medicare, Medicaid, and behavioral health services including mental health, substance abuse, anachemical dependency. Credits: 3
PADM 456 - ECONOMIC ISSUES HEALTH SERVICE MANAGEMENT
Economic theory as it applies to the delivery of health care services. Economic analysis of major health care problems. Topics include high and rapidly rising costs, inequality, and difficulties of access, and cross cultural differentials in health care indices. Economic concepts and tools used to evaluate the hospital, pharmaceutical, and private insurance industries; the impact of technology on health; and the role of values in health care reform. Fulfills the economics requirement for students in the health services, nonprofit management, and administrative studies concentrations. (3)
Credits: 3

PADM 458 - MARKETING HEALTH MANAGEMENT
Marketing process and strategy as they pertain to the current environment in health care. Application of concepts related to buyer behavior, marketing research, market segmentation, marketing mix, and sales.
Credits: 3
Course Notes: To be taken in final semester.

PADM 459 - LONG TERM CARE ADMINISTRATION
Principles of long-term care. Administrative requirements, licensing procedures, funding strategies and regulations, pertinent state and federal legal systems, preparation for state licensing examinations.
Credits: 3
Course Notes: or instr. consent

PADM 462 - URBAN POLITICS
Problems of governing in urban areas; formal and informal structures and power bases of local government; conflicts and competition between racial and ethnic groups and between city and suburban areas. Application of political machine and community power models in case studies including studies of Chicago politics.
Credits: 3
Prerequisites: PADM 400

PADM 463 - URBAN POLICY
Policies and policy-making processes at all levels of government that shape the quality of life in metropolitan areas; relationship between political and market processes; class, gender, racial and regional consequences of different policies. (3)
Credits: 3

PADM 474 - MANAGED CARE
Credits: 3

PADM 475 - PROBLEMS IN PUBLIC ADMINISTRATION
This course examines problems that are unique to the public sector and explores potential solutions to those problems. The problems include the proper role of government, the interface between career and political employees, the effects of business practices in a public environment, the relationship of citizen customers to government, and the effect of the media and negative public perceptions.
Credits: 3

PADM 490 - THESIS
Design, development, and execution of scholarly research project under supervision of a two-member thesis committee named by student with approval of advisor. Thesis entails original analysis and demonstrated knowledge of pertinent literature. Thesis students are permitted to reduce number of elective courses required for the MPA by one.
Credits: 3

PADM 490Y - THESIS COMPLETION
Credits: 0

PADM 491 - PRACTICUM IN HEALTH MANAGEMENT
Research and analytic project analyzing and proposing solutions for administrative and/or policy problems. To be taken in final semester. Students should register for the practicum in their appropriate concentration.
Credits: 3
Prerequisites: PADM 406
Course Notes: GPA 3.00 or higher. Take only final semester.

PADM 491Y - PRACTICUM IN HEALTH MANAGEMENT COMPLETION
Credits: 0

PADM 492 - PRACTICUM IN FINANCIAL POLICY
Research and analytic project analyzing and proposing solutions for administrative and/or policy problems. To be taken in final semester. Students should register for the practicum in their appropriate concentration.
Credits: 3
Course Notes: GPA 3.00 or higher. Take only final semester.

PADM 493 - PRACTICUM IN GOVERNMENT MANAGEMENT
Research and analytic project analyzing and proposing solutions for administrative and/or policy problems. To be taken in final semester. Students should register for the practicum in their appropriate concentration.
Credits: 3
Course Notes: GPA 3.00 or higher. Take only final semester.

PADM 493Y - PRACTICUM COMPLETION
Credits: 0

PADM 494 - PRACTICUM IN NONPROFIT MANAGEMENT
Research and analytic project analyzing and proposing solutions for administrative and/or policy problems. To be taken in final semester. Students should register for the practicum in their appropriate concentration.
Credits: 3
Course Notes: GPA 3.00 or higher. Take only final semester.

PADM 494Y - PRACTICUM IN NONPROFIT MANAGEMENT COMPLETION
Credits: 0

PADM 495 - INDEPENDENT STUDY
Individual project in concentration area pursued under supervision of an instructor.
Credits: 1-6

PADM 497 - CAPSTONE COURSE IN PUBLIC ADMINISTRATION
Application of the 'real world' to the material and techniques acquired in previous MPA course work. Students apply public policy and management theories to leadership and managerial problems in a selected case.
Credits: 3
Course Notes: To be taken in final semester.

PADM 498 - FIELD INTERNSHIP IN PUBLIC ADMINISTRATION
Structured and supervised administrative internship in government or nonprofit agency. For students seeking practical administrative experience within their concentration area.
Credits: 6
Course Notes: Instr. consent. Six courses in PADM.
REAL ESTATE (REES)

REES 401 - REAL ESTATE PROCESS
This course is an introduction to the real estate industry and reviews real estate finance, law, property management and real estate development concepts. REES 401, REES 402, REES 403 and REES 411 are required for the MSRE.
Credits: 3
Course Notes: This course must be passed with a minimum grade of "C". All students must have access to a computer and Microsoft Office software.

REES 402 - QUANTITATIVE METHODS REES
This course contains three modules that cover descriptive statistics and modeling, time value of money and discounted cash flow, and core accounting concepts to prepare students to succeed in subsequent real estate courses. REES 401, REES 402, REES 403 and REES 411 are required for the MSRE.
Credits: 3
Course Notes: This course must be passed with a minimum grade of "C". All students must have a computer with Microsoft Office software, especially Excel and PowerPoint.

REES 403 - FINANCIAL MODELING FOR REES
This course introduces graduate students to the current, main industry tools used to analyze real estate financial, investment and development opportunities. Students will learn to integrate market research and financial analysis using state of the art real estate financial modeling tools. Students will be exposed to numerous, real world real estate finance, investment, and development modeling projects as part of the course.
Credits: 3
Prerequisites: REES 401 and REES 402
Course Notes: It is recommended that REES 403 be taken simultaneously with REES 411.

REES 405 - URBAN LAND ECONOMICS
Economic theory is applied to planning and public policy questions including the economic functions of cities, location patterns in urban areas, real estate market analysis, and economic development practices.
Credits: 3
Prerequisites: REES 401 and REES 402 and REES 411 (may be taken concurrently)
Course Notes: REES 411 can be taken concurrently with advisor approval. Students must have access to a computer and Microsoft Office software.

REES 411 - REAL ESTATE FINANCE AND INVESTMENT
This class supports the understanding and use of real estate finance and investment tools for property evaluation, valuation, financing strategies and capital markets. REES 401, REES 402, REES 403 and REES 411 are required for the MSRE.
Credits: 3
Prerequisites: REES 401 (may be taken concurrently) and (REES 402 (may be taken concurrently) or REES 403 (may be taken concurrently))
Course Notes: This course must be passed with a minimum grade of "C". All students must have access to a computer with Microsoft Office software. Pre-reqs (other than REES 401) can be, taken concurrently with advisor approval.

REES 415 - REAL ESTATE VALUATION
Valuation of commercial real estate using the cost, market, and income approaches to value are presented and evaluated from a decision-maker's perspective. Professional ethics and standards of professional appraisal practice are extensively explored. Professional quality narrative appraisals using comparable sales, depreciated cost and discounted cash flow are reviewed and analyzed for adequacy and sufficiency. Additional topics studied include cost segregation, portfolio analysis, and litigation support techniques.
Credits: 3
Prerequisites: REES 405 and REES 411 (may be taken concurrently)
Course Notes: REES 411 can be taken concurrently with advisor approval; all students must have access to a computer and Microsoft Office software, including Excel and PowerPoint.

REES 421 - REAL ESTATE LAW
This course examines the major legal concepts pertaining to the acquisition, disposition, use, management, leasing and transfer of real property. Particular attention is paid to property rights, contracts, and public controls, including zoning.
Credits: 3

REES 431 - REAL ESTATE MANAGEMENT & MARKETING
This course covers the techniques and concepts of property management and property marketing used to meet the needs of owners and tenants. Industry professionals support the exploration of the current issues and opportunities through guest lecturing and the students complete a project related to creating value through management.
Credits: 3
Prerequisites: REES 411 (may be taken concurrently)
Course Notes: Pre-req REES 411 can be taken concurrently, with advisor approval; all students must have access to a computer and Microsoft Office software.

REES 441 - REAL ESTATE DESIGN & FEASIBILITY
Students will visit project sites as part of course; must be able to occasionally arrive off-site at times earlier than typical course start. Pre-req of successful completion of REES 402 may be waived with advisor approval.
Credits: 3
Prerequisites: REES 401 (may be taken concurrently) and REES 402

REES 451 - PUBLIC PRIVATE PARTNERSHIPS
Students are introduced to the practice of Public/Private project finance including financing tools such as tax credits, tax increment districts, opportunity zones, public bonding, brown field programs and public/private partnerships. Students will identify and prepare to present a real estate project using the tools discussed in class. This course is best taken as one of the last two courses for the MSRE or MBA-RE degree.
Credits: 3
Prerequisites: REES 401 (may be taken concurrently) and REES 402 and REES 403 and REES 411

REES 461 - PROJECT AND CONSTRUCTION MANAGEMENT
This class focuses on project management for the design and construction of buildings; for students with little to no experience in construction.
Credits: 3
Course Notes: Course includes construction site visits, some of which may begin before typical class, time so students needs to have some flexibility.
REES 471 - INTERNATIONAL REAL ESTATE
This is a hybrid format, experiential, international travel-based course. The focus of the course will alternate between conducting a market feasibility study in an international location or studying the international influences of the global capital markets. There are travel fees in addition to the course tuition costs.
Credits: 3
Prerequisites: REES 405 and REES 411
Course Notes: May be taken with advisor or instructor approval

REES 481 - REAL ESTATE DEVELOPMENT
This capstone course examines the real estate development process, highlighting the different property types, the roles of key participants in the process, and the interaction between market, process, and financial feasibility. This course provides an opportunity for students to work on a self-determined development project, utilizing all prior program educational experiences. The class examines the development steps for different types of development and the roles of key participants.
Credits: 3
Prerequisites: REES 405 and REES 411

REES 492 - PROFESSIONAL REAL ESTATE INTERNSHIP
A supervised learning experience at a business or non-profit site by arrangement with the internship coordinator and program director. Maximum of 3 credit hours can be applied to graduate business program.
Credits: 1-3

REES 493 - SPECIAL TOPICS IN REAL ESTATE
A special topics class if offered periodically to be announced. Recent topics have included sustainable development, international real estate development, and the foreclosure impacts on city neighborhoods. Upcoming topics to be announced. Check class schedule for specific topics and prerequisites by clicking on the red five-digit CRN.
Credits: 3

REES 495 - INDEPENDENT STUDY IN REAL ESTATE
Intensive study of a real estate topic under the direction of a real estate faculty member. Project is selected by the student with approval of the supervising faculty member, school director, and dean.
Credits: 1-3
SOCIAL ENTREPRENEURSHIP (SENT)

SENT 405 - SOCIAL ENTREPRENEURSHIP I: CREATING THE VISION
This course is for students who will found or lead businesses that also have a social mission, or will advise or work with social entrepreneurs, as they seek to jointly create social and business value. It is the goal of this course to prepare students to lead companies that have embedded social missions and to engage various stakeholders that are at the nexus of business and social value. Cross-listed with MGMT 405.
Credits: 3

SENT 406 - SOCIAL ENTREPRENEURSHIP II: IMPLEMENTATION
In Social Entrepreneurship II, we actually become social entrepreneurs by studying the everyday structural, legal and financial challenges associated with launching a business enterprise in its efforts to create social impact. Students will take their business model from Social Entrepreneurship I, and further develop it by performing additional market research, prototyping and practicing continuous investor initiatives. Students will work through issues of market analysis, technology viability assessment, competitive positioning, team building, product life cycle planning, marketing strategy and financing, with a major emphasis on learning how to attract investment capital. Cross-listed with MGMT 406.
Credits: 3
Prerequisites: SENT 405 or MGMT 405
**TEACHING & LEARNING (TLRN)**

**TLRN 433 - ASSESSING STUDENT LEARNING**
Various approaches to the assessment of student learning. Application, analysis, and interpretation of assessment results. The use of results to provide feedback to diverse learners and parents, and improve curriculum, instruction, and learning. Development, implementation, and evaluation of assessment tools and models.
Credits: 3

**TLRN 434 - SPECIAL TOPICS: INTRODUCTION TO NATIONAL BOARD CERTIFICATION**
Explores how to submit artifacts and documents for National Board Certification. Reviews the theories and practices needed for National Board Certification and provides support for the development and submission of all materials.
Credits: 3
Course Notes: Approval of Program Director Required.

**TLRN 435 - LEADERSHIP IN PROFESSIONAL DEVELOPMENT**
Preparation for leadership roles in schools and districts. Various strategies for promoting teachers’ growth. Analysis of school cultures, inservice workshop models, informal staff development activities, classroom observation, and approaches to supervision for working with both experienced teachers and pre-service education students.
Credits: 3

**TLRN 436 - RETHINKING THE CURRICULUM**
Curriculum theory and its practical application; analysis of curriculum including instruction; limitations and variations of possible and existing designs. Teachers as curriculum-makers and catalysts for change.
Credits: 3

**TLRN 438 - ADVANCED FRAMEWORKS FOR TEACHING DIVERSE LEARNERS**
Characteristics of diverse learners. Emotional, physical, psychological, and socio-cultural factors that impact learners, learning, and classroom environment. Techniques for developing effective classroom environments that enhance career goals and learning through service. Strategies for enhancing school and classroom climate in collaboration with families and the community.
Credits: 3

**TLRN 440 - POSITIVE DISCIPLINE IN THE CLASSROOM**
Examination of where and why student behavior problems exist. Cooperative learning as well as other teaching strategies to enable teachers and students to build a community of learners who want to be responsible for their own behavior.
Credits: 3

**TLRN 443 - ACCOMPLISHED TEACHING FOR NATIONAL BOARD CERTIFICATION**
Introduction to the five core propositions of the National Board of Professional Teaching Standards. Collaboration with other teachers and exploration of a variety of texts and other resources to identify areas for personal and professional growth in line with the standards. Upon completion, teachers will have an action plan which may include continuing the process of National Board Certification.
Credits: 3

**TLRN 444 - BECOMING A MASTER TEACHER: I**
Teachers will learn how to best examine their own performance through analysis and reflection and how to record this in writing. The focus will be on the first of the five NBPTS core propositions: TEACHERS ARE COMMITTED TO STUDENTS AND THEIR LEARNING. Students will videotape their own teaching, and submit video(s) to the instructor and class.
Credits: 3

**TLRN 445 - BECOMING A MASTER TEACHER: II**
Teachers are supported as they engage in continuous analysis of student work, instructional practice and adaptive decision making through video taped lessons and the documentation of student performance. The lenses for analysis are the second and third of the five NBPTS core propositions: TEACHERS KNOW THE SUBJECTS THEY TEACH AND HOW TO TEACH THOSE SUBJECTS TO STUDENTS and TEACHERS ARE RESPONSIBLE FOR MANAGING AND MONITORING STUDENT LEARNING. Activities focus on planning and the assessment of student learning.
Credits: 3

**TLRN 446 - BECOMING A MASTER TEACHER: III**
This course involves the study of content area knowledge related to the specific certification that is sought by each NBPTS candidate. It also focuses on the implementation of instruction with an emphasis on communication and complexity of instructional content. Teachers examine their teaching through the critical lenses of the fourth and fifth of the five NBPTS propositions: TEACHERS THINK SYSTEMATICALLY ABOUT THEIR PRACTICE AND LEARN FROM EXPERIENCE and TEACHERS ARE MEMBERS OF LEARNING COMMUNITIES.
Credits: 3

**TLRN 480 - INQUIRY IN THE CLASSROOM**
Knowledge and practical experience in teacher research. Students extend reflective practice to conducting and writing research about their own teaching for the purpose of improving classroom practice.
Credits: 3

**TLRN 495 - INDEPENDENT STUDY**
Credits: 1-6
THAR 400 - SPECIAL PROBLEMS IN THEATRICAL PRODUCTION I
Study in lighting, props, and makeup design for the stage. Focus on analysis, practical application, innovative techniques & materials, new technology & approaches.
Credits: 4
Attributes: Humanities
Course Notes: FAST TRACK SUMMER STUDENTS ONLY

THAR 401 - PROBLEMS IN THEATRICAL PRODUCTION II
Study in set, sound, and costume design for the stage. Focus on analysis, practical application, theatre safety, and innovative techniques and materials.
Credits: 4
Attributes: Humanities
Course Notes: FAST TRACK SUMMER STUDENTS ONLY

THAR 402 - DRAMATURY & PRODUCTION PREPERATION
Script selection and analysis, dramatic theory, dramaturgy, and other pre-rehearsal consideration of the text.
Credits: 4
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 406 - STAGE MOVEMENT AND COMBAT
Intensive physical work that takes you through a series of movement methodologies and specific stage combat techniques which can be used in the classroom and rehearsals.
Credits: 3
Attributes: Humanities
Course Notes: FAST TRACK SUMMER STUDENTS ONLY

THAR 407 - VOICE AND BODY TRAINING
An intensive study of exercises, approaches and methodologies to develop the actor's body and voice. Special attention will be given to individual movement and voice problems that can be applied to the classroom and rehearsals.
Credits: 3
Attributes: Humanities
Course Notes: FAST TRACK SUMMER STUDENTS ONLY

THAR 408 - PERIOD STYLES
Focuses on what you need to know to direct a period play: the manners, clothes, dances, protocol, ceremony and costumes. The emphasis is on actor training, research and interpretation.
Credits: 3
Attributes: Humanities
Course Notes: FAST TRACK SUMMER STUDENTS ONLY

THAR 411 - STAGE DIRECTION: LITERARY ADAPATION
Units on various approaches to developing your own material for productions: adapting from prose, poetry, and non-fiction; developing performance pieces; stimulating and shaping student writings.
Credits: 3
Attributes: Humanities
Course Notes: FAST TRACK SUMMER STUDENTS ONLY

THAR 448 - STAGE DIRECTING I
Three weeks focuses on directing musical theatre: special approaches for the director; what you should know about choreography; approaching songs as text and working with the musical director. Three weeks focuses on directing techniques for contemporary plays: understanding the style of the piece; developing movement that supports the tensions; coaching the actor; rehearsal technique.
Credits: 3
Attributes: Humanities
Course Notes: FAST TRACK SUMMER STUDENTS ONLY

THAR 449 - STAGE DIRECTING II
Three weeks of methods of preparation and directing Shakespeare. Three weeks of directing Moliere, Restoration, and Victorian plays.
Credits: 3
Attributes: Humanities
Course Notes: FAST TRACK SUMMER STUDENTS ONLY

THAR 490 - THESIS
Culminating project for MA degree in theatre, except for the Fast Track MA in directing.
Credits: 1-6
Attributes: Humanities
Course Notes: THAR or MUST majors only

THAR 491 - THESIS PRODUCTION/PROJECT
Culminating project for the MA Fast Track in Directing students. A supervised production in the fall or spring semester following the completion of course work. Students complete their thesis production at their home school.
Credits: 3
Course Notes: FAST TRACK SUMMER STUDENTS ONLY

THAR 494 - THESIS PRODUCTION/PROJECT
Culminating project for MFA degrees in theatre and for the MA Fast Track in directing. See information regarding additional hours required in outline of each degree program.
Credits: 1-6
Attributes: Humanities
Course Notes: THAR or MUST majors only
TRAINING & DEVELOPMENT (TRDV)

TRDV 400 - INTRODUCTION TO TRAINING & DEVELOPMENT
Explore roles, responsibilities, and careers in training and development. Learn key theories, models, and terminology along with instructional design basics. Evaluate real-world learning projects against evidence-based best practices.
Credits: 3
Prerequisites: TRDV 400

TRDV 411 - TRAINING DELIVERY
Develop essential skills required in a variety of delivery modes including classroom, online, and virtual training environments. Align learning solutions with course objectives. Apply various instructional methods to address unique learner needs and facilitate engagement and motivation.
Credits: 3

TRDV 420 - CAREER DEVELOPMENT IN ORGANIZATIONS
Various components of career management systems and their impact on the individual and the organization. The changing role of human resource development and how career management fits into a strategically planned system.
Credits: 3

TRDV 423 - TEAM BUILDING AND LEADERSHIP
Processes critical to team performance including interpersonal and managerial communication, problem solving, and conflict resolution. Dynamics of leadership as they relate to team performance.
Credits: 3
Course Notes: Available to ‘Transitions’ program students.

TRDV 424 - CONSULTING TOOLS & TECHNIQUES
Specific skills and competencies needed to serve as an internal or external consultant. Includes interpersonal and communication skills developing a proposal for a consulting project and positioning oneself as a consultant.
Credits: 3

TRDV 425 - PROJECT MANAGEMENT
Definition, planning, and management of training-related projects. Skills to calculate a project’s return on investment to the organization. Creation of a request for proposal, development of a proposal response, and creation of a business case.
Credits: 3

TRDV 427 - ORGANIZATION ANALYSIS & DESIGN
Assessing the processes and practices inherent in analyzing and designing an organization for optimal performance. Guiding an organization design effort from problem definition and analysis to design and evaluation using an action research approach.
Credits: 3

TRDV 429 - PROGRAM PLANNING & DEVELOPMENT
Major paradigms in curriculum and their theoretical orientations and practical implications for designing and evaluating curriculum and instruction. Strategies for designing curriculum frameworks for instructor-led, blended learning, and e-learning delivered programs.
Credits: 3
Attributes: Adult Flex Track
Prerequisites: TRDV 400

TRDV 432 - TRAINING STRATEGY AND LEADERSHIP
Develop leadership skills to plan, organize, staff, and manage the training function. Explore and apply leadership theory to team performance. Create a mission and strategic vision, monitor the training budget, and plan and implement knowledge management solutions.
Credits: 3
Prerequisites: TRDV 400

TRDV 433 - CHANGE MANAGEMENT
Apply principles of change management to shift individuals, groups, and organizations from their current state to desired state. Focus on the application of appropriate models to plan, implement, and evaluate change. Select and design appropriate interventions at the individual, team, and organization level. Students will develop a comprehensive change initiative including assessment, strategy, cultural integration, and evaluation.
Credits: 3

TRDV 434 - TRAINING EVALUATION
Use a case-based approach to apply theories of evaluation to measure the impact of training on individual, team, and organizational outcomes. Develop expertise in Kirkpatrick's Levels of Evaluation in addition to data collection, analysis, interpretation of data, and communication of results while creating a comprehensive evaluation report. Advanced topics include the calculation of the return on investment of training initiatives.
Credits: 3
Prerequisites: TRDV 400

TRDV 436 - PROFESSIONAL WRITING SKILLS
Credits: 3

TRDV 437 - CREATIVITY IN THE WORKPLACE
Strategies for solving problems in the workplace. Expanding one's point of view, examining other perspectives, and identifying options and consequences in the formulation of solutions.
Credits: 3

TRDV 438 - BLENDED LEARNING SOLUTIONS
Instructional and organizational considerations in determining the most appropriate use of technology for designing blended learning solutions that maximize learning experiences and performance outcomes. Optimal blends of formal learning events and informal learning enhancements employing synchronous, asynchronous, and self-paced learning technologies.
Credits: 3
Prerequisites: TRDV 450
Course Notes: TRDV 400, TRDV 450

TRDV 439 - E-LEARNING DESIGN
Research and critically evaluate the design, development, and delivery of e-learning solutions. Apply instructional strategies to course design and evaluative approaches. Explore and compare software tools and critique e-learning courseware. Create and present an Instructional Design Plan (IDP) for a self-paced e-learning prototype.
Credits: 3
Prerequisites: TRDV 400 and TRDV 450

TRDV 441 - PERFORMANCE MANAGEMENT CONSULTING
Credits: 3
**TRDV 445 - COACHING FOR TALENT DEVELOPMENT**
Develop and practice foundational coaching competencies through role-play, group exercises, and case studies. Critically evaluate and apply theory to create a personal coaching model to inform your coaching practice. Evaluate key assessment instruments and talent management analytics to align employee development initiatives with organizational goals.
Credits: 3

**TRDV 450 - LEARNING TECHNOLOGIES**
Leverage technology to enhance the learning function including classroom technology, performance support systems, self-paced tutorials, instructional games and simulations, decision support and expert systems, mobile and wireless applications, social media, asynchronous and synchronous delivery, and virtual reality.
Credits: 3

**TRDV 451 - INSTRUCTIONAL SYSTEMS DESIGN-1**
Theoretical foundations and practical applications of systems models for the design of instruction as a performance intervention. Strategies for identifying a training problem and application of principles of learning and systematic instruction design using an instructional systems design model. Exploration of strategies and best practices for producing targeted, cost-effective, face-to-face instruction aligned with organizational goals and non-instructional interventions. Students conduct an instructional design project—focusing on the analysis and design phases—over the duration of the course, producing a detailed Instructional Design Plan (IDP).
Credits: 3
Prerequisites: TRDV 400

**TRDV 452 - VIRTUAL TRAINING DESIGN AND DELIVERY**
Examination of Web-based solutions for both synchronous instructional and informational delivery. Focus on large group learning, but small group and one-on-one learning technologies are also considered. Review of current research on synchronous e-learning. Design, development, and delivery of a synchronous instructional session for a group.
Credits: 3
Prerequisites: TRDV 400 and TRDV 450

**TRDV 455 - FACILITATION SKILLS**
In this highly interactive course, participants will learn to use facilitative skills in their roles as workplace learning professionals. Students will develop skill in setting ground rules, applying communication strategies, and diagnosing and intervening barriers to positive facilitation.
Credits: 3

**TRDV 470 - INSTRUCTIONAL SYSTEMS DESIGN-2**
Building upon the knowledge and skills garnered in Instructional Systems Design-1, students continue an instructional design project—focusing on the development, implementation, and evaluation(implementation) phases—over the duration of the course, producing an Instructor’s Guide and all materials required to deliver a face-to-face instructional session. Students learn to adjust instructional projects based on timeframe and budget. Emphasis is placed on designing instruction that results in transfer of skills to the workplace or other target setting.
Credits: 3
Prerequisites: TRDV 451 (may be taken concurrently)

**TRDV 480 - SPECIAL TOPICS**
This course addresses special or current topics in the training and development field. It allows students and faculty to work on a current and what may be a one time issue. It is also used for unique work/study situations related to internships and opportunities to combine work and study to create an output beneficial to the training and development field.
Credits: 3
Prerequisites: TRDV 400

**TRDV 495 - INDEPENDENT STUDY**
Credits: 1-3

**TRDV 499 - PROFESSIONAL PORTFOLIO**
In this capstone course in the Master of Arts in Training and Development, students apply the methods and techniques learned in their coursework to develop a professional portfolio that demonstrates the value and expertise they have acquired. Additional focus on career planning and preparation to achieve desirable industry certification.
Credits: 3
Prerequisites: TRDV 434 (may be taken concurrently) and TRDV 470 (may be taken concurrently)
Course Notes: To be completed in the final semester of study.

**TRDV 499Y - MASTER PAPER/PROJECT COMPLETION**
Credits: 0

**TRDV 501 - ONLINE TEACHING THEORY AND APPLICATION**
Pedagogical concepts in online course design and instruction: focus on student-centered online teaching. Creation of a detailed syllabus for an online course.
Credits: 3
Prerequisites: TRDV 400

**TRDV 502 - TECHNOLOGY FOR ONLINE TEACHING**
Tools for asynchronous and synchronous course design and delivery. Includes the exploration of Web 2.0 techniques such as podcasting and social networking. Hands-on practice in utilizing various technologies.
Credits: 3
Prerequisites: TRDV 400

**TRDV 509 - SEMINAR AND PRACTICE IN ONLINE TEACHING**
Supervised observation and experience in online teaching. Observation in 'live' RU Online courses. Practice in facilitating online learning. Seminar discussions on usage of empirically validated best practices in online teaching.
Credits: 3
WRITING (WRTG)

WRTG 430 - WRITING PROPOSALS & REPORTS
Advanced, genre-specific, professional writing course focused on drafting and revising proposals and reports.
Credits: 3
Attributes: Humanities

WRTG 467 - TEACHING WRITING: THEORY & PRACTICE
This course explores the theory and practice of writing instruction in secondary and post-secondary educational settings, with a special emphasis on the political implications of the choices that teachers make in the writing classroom. Students will explore pedagogies, interview writing teachers, develop assignments, and conduct independent research toward the creation of a personal teaching philosophy.
Credits: 3
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