

COMPUTER STUDIES WITH COMPUTER NETWORKING, BAS

The Bachelor of Applied Science in Computer Studies with a concentration in Computer Networking curriculum is designed to meet the market demand for network administrators who can manage local and wide area networks. Students address key issues in network security and wireless communication while setting up and configuring file and web servers. Emphasis is placed on detailed aspects of local and wide area networks to share hardware and software resources in a secure environment.

Majors must complete all required courses with grades of C- or higher, with an overall GPA of 2.0 or higher.

Code	Title	Credit Hours
CST 208	DATA BASE PROG	3
CST 220	OPERATING SYST	3
CST 232	LAN	3
CST 237	INTERNETWORKING	3
CST 240	SYSTEMS ENGINEERING I	3
CST 244	SECURITY FUNDAMENTALS	3
CST 262	LINUX SECURITY	3
CST 265	ROUTING AND SWITCHING	3
CST 266	ROUTER CONFIG	3
CST 301	COMPUTER NETWORKING	3
CST 318	INTRODUCTION TO UNIX	3
CST 318RM	JAVA PROGRAMNG	3
CST 356R	ADV INTERNSHIP	3
CST 399	SENIOR PROJECT	3
Program Electives (choose 3)		
CST 315	DATABASE MANAGEMENT	3
CST 333	DATABASE SYSTEMS	3
CST 343R	WIRELESS TECH	3
CST 345R	ADV NET SERV	3
CST 346R		3
CST 347	NETWORK MGT	3
CST 368	INTERNET SECURITY	3
Total Credit Hours		63

CORE Requirements (General Education)

Code	Title	Credit Hours
First Year Success Course or Transfer Success Course		
FYS 101 or TRS 101	FIRST YEAR SUCCESS COURSE TRANSFER SUCCESS 101	1
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. 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
FYS 101	1 ENG 102	3
ENG 101	3 CST 208	3

MATH 110	3 CST 232	3
CST 318RM	3 CST 301	3
CST 240	3 BIOL 111 or 112	4
COMM 101	3	
	16	16

Year 2

Fall	Credit Hours Spring	Credit Hours
Ideas Across Disciplines	3 CST 266	3
CST 237	3 CST 262	3
CST 265	3 CST 244	3
CST 220	3 Humanities #1	3
CST 318	3 Social Science #1	3
	15	15

Year 3

Fall	Credit Hours Spring	Credit Hours
Program Elective ¹	3 Program Elective ¹	3
Physical Science	3 Experiential Learning #1 ²	3
Social Science #2	3 Humanities #3	3
Humanities #2	3 General Elective	3
General Elective	3 General Elective	3
	15	15

Year 4

Fall	Credit Hours Spring	Credit Hours
CST 356R	3 CST 399	3
Program Elective ¹	3 Experiential Learning #2 ²	3
Social Science #3	3 General Elective	3
General Elective	3 General Elective	3
General Elective	3 General Elective	1
	15	13

Total Credit Hours 120

¹ Choose from CST 315, CST 333, CST 343R, CST 345R, CST 346R, CST 347 or CST 368

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