GENERAL EDUCATION MATHEMATICS REQUIREMENTS

Students will be placed into Mathematics courses based on the requirements of their majors. All students must complete at least three credits of Mathematics. Placement is determined by standardized test scores (ACT, SAT, AP, IB CLEP), if those tests have been taken within two years of the semester entered, or prior college credit. 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.

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, and MATH 110 QUANTITATIVE LITERACY. Students take MATH 010 MATHEMATICAL FOUNDATIONS and MATH 105 FOUNDATIONS OF ARITHMETIC or MATH 110 QUANTITATIVE LITERACY in the same semester. Students may need to take MATH 010 prior to taking MATH 021 depending on their placement. 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 the social sciences and business. It is recommended for all students in non-STEM and non-education majors. 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 121 COLLEGE ALGEBRA is for most majors for students in College of Health, Science and Pharmacy and students going on to MATH 122 TRIGONOMETRY AND PRECALCULUS and MATH 231 CALCULUS I or MATH 245 DISCRETE STRUCTURES.

- MATH 170 MATH NURSING is for Nursing majors.
- **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.**