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 RUA.

Students who have passed MATH 095 DEVELOPMENTAL MATHEMATICS, MATH 096 DEVELOPMENTAL MATH FOR COLLEGE ALGEBRA, or who have been advised that they do not need to take a Math course should consult an advisor in their major or in the Mathematics program before taking their next Math course. Students who believe that their RUA 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 095 DEVELOPMENTAL MATHEMATICS and MATH 096 DEVELOPMENTAL MATH FOR COLLEGE ALGEBRA 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. These courses feature self-paced individualized coursework. While it is possible to finish the coursework in one semester, many students take more than one semester to complete the work. The course may be repeated up to four times. Most of these courses make use of web-based software that must be purchased. For most courses, this includes an electronic textbook; students who prefer a paper text would need to purchase that separately.

- MATH 095 DEVELOPMENTAL MATHEMATICS is the prerequisite for MATH 105 FOUNDATIONS OF ARITHMETIC, MATH 110 QUANTITATIVE LITERACY, MATH 115 QUANTITATIVE & SPATIAL REASONING, and MATH 116 FINITE MATHEMATICS. Students may test out of MATH 095 DEVELOPMENTAL MATHEMATICS or they may take MATH 095 DEVELOPMENTAL MATHEMATICS or MATH 096 DEVELOPMENTAL MATH FOR COLLEGE ALGEBRA to fulfill this prerequisite.

- MATH 096 DEVELOPMENTAL MATH FOR COLLEGE ALGEBRA is the prerequisite for MATH 121 COLLEGE ALGEBRA. Students may test out of MATH 096 DEVELOPMENTAL MATH FOR COLLEGE ALGEBRA.

- Undecided students who are placed into developmental Mathematics are advised to take MATH 096 DEVELOPMENTAL MATH FOR COLLEGE ALGEBRA.

- MATH 105 FOUNDATIONS OF ARITHMETIC and MATH 115 QUANTITATIVE & SPATIAL REASONING 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 to other disciplines. It fulfills the mathematics general education requirement in the College of Arts and Sciences. It is recommended for all students in majors that do not have a specific math requirement.

- MATH 116 FINITE MATHEMATICS is for majors in the Heller College of Business.

- 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.