Summary of the Mathematics Placement and Mathematics Courses at Edinboro

Students are placed in their first college math course based on their intended major and their placement score.

- Some students will be placed into MATH020, 104, or 110 based on their ACT/SAT score or high school mathematics background.
- Students who wish to test into MATH105, 107, or 150 should take the placement exam during orientation or during one of the make-up times during the year (given in October and March).
- Those with appropriately high placement scores will start in their first required course, based on their major:
  - MATH104 (Finite Mathematics)—for Liberal Arts
  - MATH105 (College Algebra) or MATH107 (Precalculus)—for Science students
  - MATH110 (Mathematical Reasoning)—for Education Students
  - MATH150 (Applied Mathematics)—for Business Students

MATH020 (Remedial Algebra I) is a remedial course meant to bring a student's algebra skills up to the minimum level expected of all college students at Edinboro. The sequence is self-paced, with the student taking one or two semesters to finish. The class is pass/fail.

MATH090 (Remedial Algebra II) is a remedial course meant to bring a student's algebra skills up to the minimum level expected of college students who wish to take MATH105 or 150. The MATH020-090 sequence is self-paced, with the student taking as little as one or as many as three semesters to finish. The class is pass/fail. Prereq: MATH020.

MATH104 (Finite Math) is a course that meets the math skills for a large portion of Edinboro's students, especially in the Liberal Arts. The course surveys a variety of topics of mathematics. Students should also be aware that MATH104 is very similar to MATH110 (Mathematical Reasoning I). Students are not allowed to take both MATH104 and MATH110. Elementary Education majors should sign up for MATH110 instead of MATH104. Prereq: MATH020.

MATH110 (Mathematical Reasoning I) is required for many of Edinboro’s education majors. It is a course that is designed for elementary education majors, but is very similar to MATH104. Students should be aware that they are not allowed to take both MATH104 and MATH110. Prereq: MATH020.

All of the following courses require MATH090 or an appropriately high placement score:
MATH105 (College Algebra) is the first course for many of our science students. After earning a C or better in 105, students take MATH106 (Trigonometry). The 2-course sequence was created to increase student success. It covers all material in MATH107 (Precalculus). Successful students can skip MATH107 and proceed directly to MATH211 (Calculus).

MATH107 (Precalculus) is a 4-credit accelerated version of the 6-credit MATH105/MATH106 sequence. It is required in most science curriculums. To reduce failure rates in this class, only students that score very well on a two-part placement exam are allowed this accelerated path. (Others take the MATH105/106 sequence). After 107, students can take 211.

MATH150 (Applied Mathematics for Business) is taken by Business majors. Students enrolling in this class should have a strong algebra background, as this course covers both a review of college algebra and the essentials of calculus.

These courses have additional prerequisites:
MATH210 (Mathematical Reasoning II) is the second course in the sequence for all elementary education majors and some secondary education majors. It is a very thorough exploration of mathematical concepts used in the elementary grades. MATH110 (with a C or better) is a prerequisite for MATH210.

MATH211 (Calculus I) is required of all mathematics and some science majors. The prerequisite is either MATH107 or both MATH105 and MATH106 (all with a C or better).

MATH260 (Elements of Statistics) is taken by business, science, nursing, and secondary education students. The prerequisite is a MATH course at the 104 level or higher (with a C or better).

Sequence of courses

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