

MATHEMATICS

The mission of the Department of Mathematics is to provide each student with mathematical skills needed to function and solve problems in a variety of fields as well as to produce graduates majoring in mathematics who can go on to complete higher degrees in mathematics, and/or pursue successful careers in government, industry, or teaching.

The minimum mathematics required of all entering freshman is MATH 107. In certain

Social Sciences – 18
hours History 103 –
3 History 104 – 3

Twelve (12) additional hours in the Social Sciences (Economics, History, Geography, Political Science, Psychology, Sociology, Social Work), six (6) of which must be in the same discipline.

Foreign Language or Option – 12 hours

Twelve (12) semester hours of French or twelve (12) hours of Spanish or

An approved option of 12 semester hours in a pattern of courses in the same discipline.

Sciences and Mathematics – 20 hours

Mathematics 107 – 4

Mathematics 108 – 4

Twelve (12) additional hours from any Life Sciences or Math courses beyond Math 110. (Exceptions may result from mathematics placement).

Computer Science – 3 hours

Total general education hours – 72

hours Mathematics Courses – 32 hours

MATH 207/208/209 Analytic Geometry & Calculus I, II, & III	12 hrs
MATH 307 Differential Equations	3 hrs
MATH 407 Linear Algebra & Matrix Theory	3 hrs
MATH 408 Modern Algebra	3 hrs
MATH 417 Modern Geometry	3 hrs
MATH 451 & 452 Seminar I & II	2 hrs
MATH 505 Advanced Calculus I	3 hrs
MATH 506 Adv Calc II or MATH 510 Complex Variables	3 hrs

Free Electives – 16 hours

University Basic Requirements – 4 hours

Physical Education (Two activity type courses) - 2

Orientation (OREN 100 and OREN 101) - 2

Total Minimum Hours Required For Graduation - 124 hours