

Mathematics

Degree Type

Bachelor of Science

Objective:

This program is for students who wish to prepare for graduate study in the mathematical sciences or for a career in applied mathematics in science or industry.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: A minimum of 47 credits including at least 40 in mathematics of which 29 shall be numbered above 2999.

Required Courses:

Item #	Title	Credits
MATH2310	Discrete Mathematics	3
MATH2510	Calculus I	4
MATH2520	Calculus II	4
MATH3240	Probability and Statistics I	3
MATH3310	Methods of Proof	3
MATH3320	Linear Algebra	3
MATH3530	Calculus III	4
MATH3540	Differential Equations	4
MATH4320	Modern Algebra I	4
MATH4510	Real Analysis I	4
MATH4520	Real Analysis II	2
COMP1220	Introduction to Computer Science	3

Choose one of the following:

Item #	Title	Credits
MATH3250	Probability and Statistics II	3
MATH4330	Modern Algebra II	2

Choose one of the following options:

Item #	Title	Credits
	PHYS1110 and PHYS1110L	4
	PHYS2110 or PHYS2110L	4

In addition to the above requirements, the student is required to complete a written subject examination in the field of Mathematics, e.g., ETS Major Field Test for Mathematics or GRE Subject Test for Mathematics.

Students who plan on graduate study are advised to acquire a reading knowledge of German or French.

Total Credits	47
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