Mathematics

Degree Type

Bachelor of Arts Objective:

This program is for students who wish to pursue a liberal arts degree with specialization in mathematics.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: 48-51 credits including at least 35 in mathematics of which 24 shall be upper division courses numbered 3000 or above. Completion of core courses plus Option A or Option B is required.

Core Courses: 35 credits

ltem #	Title	Credits
COMP1220	Introduction to Computer Science	3
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 or MATH4510	4
MATH4320	Modern Algebra I	4

Option A: 13 credits

ltem #	Title	Credits
MATH3280	Modeling and Operations Research	3
	MATH3560 or MATH3250	3
COMP2220	Computer Programming I	3
COMP2220L	Computer Programming I Laboratory	1
COMP2750	Data Structures	3

Option B: 16 credits

ltem #	Title	Credits
MATH3280	Modeling and Operations Research	3
	PHYS1110/PHYS1110L or PHYS2110/PHYS2110L	4
	Nine credits of approved business/economics courses	9

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. For Math Education/Math double majors, the Praxis exam can be used in place of the ETS exam.

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

Total Credits	48-51