

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

Item #	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

Item #	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

Item #	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.

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

Total Credits

48-51