MATHEMATICS MAJOR

Requirements

Mathematics Major (Liberal Arts) prepares students for careers in mathematics, science and research, or for graduate study.

36 total credits

Code	Title	Hours
Core Required Courses		
CSCI 201	Introduction to Programming	3.00
MATH 240	Calculus and Analytic Geometry I	4.00
MATH 241	Calculus and Analytic Geometry II	4.00
MATH 242	Calculus and Analytic Geometry III	4.00
MATH 310	Introduction to Abstract Mathematics	3.00
MATH 315	Linear Algebra	3.00
MATH 498	Mathematics Capstone	1.00
Probability/Statistics Required Course		
Select three credits of the following:		
MATH 370	Probability	3.00-4.00
or MATH 371	Statistics	
Advanced Topics Required Courses		
Select two of the following:		8.00
MATH 421	Theory of Computation	
MATH 440	Real Analysis	
MATH 425	Algorithm Design and Analysis	
MATH 450	Topology	
MATH 455	Abstract Algebra	
MATH 471	Introduction to Complex Variables	
Math Upper-Division Elective Course		
At least one additional MATH course numbered 300 or above		3.00
Total Hours		**36.00-37.00**