

MATHEMATICS, B.S.

Program Requirements

Code	Title	Hours
MATH 220	Calculus I	3
MATH 240	Proof I	3
MATH 261	Linear Algebra	3
MATH 270	Statistics and Data Analysis	4
MATH 310	Proof II	3
MATH 320	Calculus II	3
MATH 330	Calculus III	3
MATH 430	Calculus IV	3
PHYS 151	Introduction to Mechanics	4
Select one course in each of the following areas:		12
Area I		
MATH 360	Number Theory	
MATH 362	Abstract Algebra	
Area II		
MATH 380	Differential Equations	
MATH 390	Numerical Analysis	
MATH 455	Complex Variables	
MATH 460	Real Analysis	
Area III		
MATH 331	Probability and Statistics I	
MATH 365	Mathematical Modeling	
MATH 444	Operations Research	
MATH 465	Financial Mathematics	
Area IV		
MATH 340	Graph Theory	
MATH 344	Geometry	
MATH 440	Topology	
Select one of the following computer programming courses:		3
CSCI 121	Programming in Java I	
CSCI 246	Programming in C#	
other computer programming course		
Three additional mathematics courses 300 level or above		9
Total Hours		53