

----- REQUIREMENTS FOR B.S. IN MATHEMATICS -----

Discrete Track

You must achieve a minimum cumulative GPA of 2.0 in MATH courses that are acceptable for credit toward the major.

CORE COURSES (21 hrs):

			Credits	Prerequisite Notes
MATH 120	Introductory Calculus	_____	(4)	_____
MATH 203	Linear Algebra	_____	(3)	_____
MATH 220	Calculus II	_____	(4)	_____
MATH 221	Calculus III	_____	(4)	_____
MATH 295	An Introduction to Abstract Mathematics	_____	(3)	_____
MATH	Capstone Experience	_____	(3)	_____

COMPUTING Requirement (4 hrs):

CSCI 220	Computer Programming I	_____	(3)	_____
CSCI 222	Computer Programming I Lab	_____	(1)	_____
Or				
MATH 245	Numerical Methods and Mathematical Computing	_____	(3)	_____
MATH 246	Mathematical Computing and Programming Lab	_____	(1)	_____

DISCRETE Concentration (38 hrs):

CSCI 220	Computer Programming I	_____	(3)	_____
CSCI 222	Computer Programming I Lab	_____	(1)	_____
CSCI 221	Computer Programming II	_____	(3)	_____
CSCI 230	Data Structures and Algorithms	_____	(3)	_____
CSCI 325	Declarative Programming Languages	_____	(3)	_____
CSCI 410	Automata and Formal Languages	_____	(3)	_____
MATH 207	Discrete Structures I	_____	(3)	_____
MATH 245	Numerical Methods and Mathematical Computing	_____	(3)	_____
MATH 246	Mathematical Computing and Programming Lab	_____	(1)	_____
MATH 303	Abstract Algebra	_____	(3)	_____
MATH 305	Elements of Number Theory	_____	(3)	_____
MATH 307	Discrete Structures II	_____	(3)	_____
MATH 450	Discrete Mathematics Models	_____	(3)	_____
One course from the following:				
MATH 250	Statistical Methods I	_____	(3)	_____
Or				
MATH 530	Mathematical Statistics I	_____	(3)	_____

Notes:

Last Updated June 2008
Subject to change without notice.