

Integrated Studies - Mathematical Sciences Emphasis, BA/BS

Mathematical Sciences Emphasis Requirements

32 credits

Code	Title	Hours
Complete the following through coursework or credit by examination:		
MATH 1050	College Algebra / Pre-Calculus (MA) ¹	4
MATH 1060	Trigonometry (MA) ¹	3
MATH 1210	Calculus I (MA)	4
MATH 1220	Calculus II (MA)	4
MATH 2200	Discrete Mathematics	3
Complete 15 credits from the following courses:		
MATH 3000	History of Mathematics	3
MATH 3100	Euclidean / Non-Euclidean Geom	3
MATH 3150	Introduction to Partial Differential Equations	3
MATH 3200	Introduction to Analysis I	3
MATH 3210	Introduction to Analysis II	3
MATH 3400	Probability & Statistics	3
MATH 3500	Numerical Analysis	3
MATH 3900	Number Theory	3
MATH 4000	Abstract Algebra I	3
MATH 4010	Abstract Algebra II	3
MATH 4100	Introduction to Topology	3
MATH 4200	Introduction to Complex Analysis	3

¹ MATH 1080 will meet both the MATH 1050 and MATH 1060 requirements.

Notes:

1. Students must select and complete two emphases and Core Requirements.
2. Grade C or higher in each Emphasis Area course required.