

# MATHEMATICS, B.A.

## Requirements for a Major in Mathematics

Code	Title	Hours
Thirty-three semester hours, six of which must be at the 4000-level, including the following:		
<b>Required Courses</b>		
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
MTH 2311	Linear Algebra	3
MTH 2321	Calculus III	3
MTH 3300	Foundations of Mathematics	3
MTH 3323	Introduction to Analysis	3
or MTH 4326	Advanced Calculus I	
MTH 3312	Foundations of Combinatorics and Algebra	3
or MTH 4314	Abstract Algebra	
MTH 3325	Ordinary Differential Equations	3
or MTH 4312	Cryptology	
or MTH 4322	Numerical Analysis	
Nine semester hours of 3000-4000 level MTH or STA courses <sup>1</sup>		9
A grade of "C" or better in thirty-three hours of MTH and STA courses used for the major.		
<b>Subtotal</b>		<b>33</b>
<b>Required Courses in Other Fields</b>		
CSI 1401	Introduction to Programming I	4
or CSI 1430	Introduction to Computer Science I with Laboratory	
or STA 2450	Introduction to Computing for the Mathematical and Statistical Sciences	
<b>Total Hours</b>		<b>37</b>

<sup>1</sup> Excluding: MTH 3318 Data and Chance, MTH 3340 Mathematics through Technology, and MTH 4343 Topics in Mathematics for Prospective Teachers