

Department of Mathematics (cont'd)

Bachelor of Science Degree Major in Mathematics

Beginning Spring 2014

	Credits
General Education Requirements (See page 71) Students should consult with their advisors to determine if specific courses are necessary in order to satisfy the General Education requirements within this major.	31
Language Requirement (see page 118)	8
Required Core Courses	
CSCI 111A Programming with Java I	4
M 305 Discrete Structures I	4
M 329 Modern Geometry	3
M 371 Numerical Computing	4
M 110 Mathematical Computing	1
*M 171 Calculus I	4
M 172 Calculus II	4
M 242 Methods of Proof	3
M 273 Multivariable Calculus	4
M 274 Introduction to Differential Equations	4
M 333 Linear Algebra	4
M 431 Abstract Algebra I	3
M 471 Mathematical Analysis	3
M 472 Introduction to Complex Analysis	3
M 499 Capstone	3
STAT 341 Introduction to Probability & Statistics	4
Total Required Core Courses	55
Minor (Optional)	21
Electives	5
Total minimum credits required for degree	120

SUGGESTED PLAN OF STUDY

Bachelor of Science Major in Mathematics

The following sample schedule is a suggested plan for students to follow in completing the Bachelor of Science Major in Mathematics. Due to course schedule changes and staff assignments, students may not be able to follow the plan exactly. Students should consult with their advisors to plan classes before registering each semester.

First Year	F	S
WRIT 101	3	
M 110		1
M 171	4	
M 172		4
CSCI 111A	4	
Language	4	4
General Education		6
Total	15	15
Second Year	F	S
M 242		3
M 305	4	
M 333		4
M 273	4	
STAT 341		4
General Education	8	4

*May satisfy General Education requirements.

Certain courses in this program have prerequisites; students should check the course descriptions for required prerequisites.

Total	16	15
Third Year	F	S
M 329	3	
M 471	3	
M 472		3
M 371		4
General Education	3	3
Minor	6	6
Total	15	16
Fourth Year	F	S
M 274		4
M 431	3	
M 499	3	
Minor	6	3
Electives	3	2
General Education		4
Total	15	13