

B.A. IN MATHEMATICS

Code	Title	Credits
Major in Mathematics (B.A.)		
Choose one of the following sequences:		6-7
COS 100	Introduction to Programming	
COS 105	Object-oriented Design and Programming	
OR		
COS 205	Scientific Computing	
one additional Computer Science course (COS 212 recommended)		
MAT 124M	Calculus 1 ²	4
MAT 125	Calculus 2	4
MAT 211	Linear Algebra	3
MAT 222	Differential Equations ¹	3
MAT 223	Multivariable Calculus	3
MAT 241	Discrete Mathematics	3
MAT 310	Abstract Algebra	4
MAT 330	Probability and Statistics	3
MAT 422	Real Analysis	3
MAT 425	Topics in Mathematics	3
MAT 499	Senior Seminar	3
Choose two of the following Applied Math courses:		6-7
MAT 300	Numerical Analysis	
MAT 309	Financial Mathematics	
MAT 331	Applied Statistics	
MAT 376	Operations Research	
Code	Title	Credits
Major		48-50
General Education		44-45
Electives		28-29
Total Credits		122

¹ MAT 224 may be used as a substitute.

² Students may test into this course via successful completion of the Math and Computer Science department placement exam or by completing MAT 123M and the Math and Computer Science department placement exam requirements.

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Mathematics and a Minor in Mathematics.

Students may not declare a B.A. in Mathematics and a B.A. in Mathematics with Education 5-12 Licensure.