

# B.A. IN MATHEMATICS

Code	Title	Credits
<b>Major in Mathematics (B.A.)</b>		
COS 111	Introduction to Programming	4
MAT 124M	Calculus 1 <sup>1</sup>	4
MAT 125	Calculus 2	4
MAT 211	Linear Algebra	4
MAT 222	Differential Equations <sup>2</sup>	4
MAT 223	Multivariable Calculus	4
MAT 242	Introduction to Proofs	2
MAT 299	Careers in Mathematics and Computer Science Seminar	0
MAT 322	Complex Analysis	4
MAT 332	Probability and Statistics	4
MAT 410	Abstract Algebra	4
MAT 422	Real Analysis	4
MAT 441	Combinatorics and Graph Theory	4
MAT 451	Modern Geometry	4
MAT 499	Senior Seminar	2
Electives from 300-level or above MAT courses or COS 341 <sup>3</sup>		3-4
<b>Code</b>	<b>Title</b>	<b>Credits</b>
Major		55-56
General Education *		44-52
Electives		15-22
<b>Total Credits</b>		<b>122</b>

<sup>1</sup> Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

<sup>2</sup> MAT 224 may be used as a substitute.

<sup>3</sup> MAT 248 with a C- or higher or Instructor's consent is a prerequisite for COS 341.

\* 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.

Students may not declare a B.A. in Mathematics and B.S. in Mathematics and Data Science.

Students may not declare a B.A. in Mathematics and an endorsement in Complex Number Methods.