

MATHEMATICS MINOR

² If students take both MATH 351 and MATH 361, the second can count as an elective.

Department Advanced Placement Policy

AP Calculus

Students who have received a score of 4 or 5 on the AP Calculus AB exam, or a subscore of 4 or 5 on the AP Calculus BC Exam, will earn credit for MATH 135 Calculus 1 and are advised to take MATH 136 Calculus 2. Students will forfeit their credit if they opt to take MATH 133 Calculus 1 with Fundamentals or MATH 135 Calculus 1. Students who receive a score of 4 or 5 on the AP Calculus BC exam will earn credit for MATH 136 Calculus 2 and are advised to take MATH 241 Multivariable Calculus. Students will forfeit their credit if they opt to take MATH 133 Calculus 1 with Fundamentals, MATH 135 Calculus 1 or MATH 136 Calculus 2.

Requirements

Minors must take a minimum of 7¹ courses offered by the mathematics and computer science department. The following courses are required:

Code Title

Required Courses:

MATH 135	Calculus 1
or MATH 133: Calculus 1 with Fundamentals	
MATH 136	Calculus 2
MATH 243	Mathematical Structures
or MATH 123: Discrete Mathematics	
MATH 244	Linear Algebra

Choose one of:

MATH 351	Modern Algebra 1
MATH 361	Real Analysis 1

Select two of the following elective courses , with at least one at the 300-level

MATH 241	Multivariable Calculus
MATH 301	Topics In Geometry
MATH 302	Differential Geometry
MATH 303	Mathematical Models
MATH 304	Ordinary Differential Equations
MATH 305	Complex Analysis
MATH 351	Modern Algebra 1 ²
MATH 352	Modern Algebra 2
MATH 353	Number Theory
MATH 357	Combinatorics
MATH 361	Real Analysis 1 ²
MATH 362	Real Analysis 2
MATH 363	Topics In Topology
MATH 371	Methods of Numerical Analysis
MATH 373	Partial Differential Equations
MATH 374	Dynamical Systems
MATH 392	Seminar
STAT 375	Probability Theory

¹ Students who begin in Calculus 2 (or beyond) without AP credit for Calculus 1 (or 2) must take electives to reach the 7 course requirement. Please consult the department chair for options.