

MINOR IN MATHEMATICS

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Mathematics is a universal language that is essential in the natural and social sciences, business and engineering. This minor gives you more than just a way to fine-tune specific mathematical skills; it also offers an opportunity to strengthen your logic, reasoning and problem-solving capabilities.

In the mathematics minor, courses in advanced statistics teach you to analyze complex data and perform high-level research, while cryptography courses provide an introduction to the world of securing data and IT security. Geometric concepts apply as much to set design and the visual arts as they do to architecture and civil engineering. Students develop expertise that is applicable in nearly every field, from computer science and finance to education and healthcare, and obtain tools that provide a competitive advantage.

To complete a minor in mathematics, a student is required to complete 18 credits of mathematics classes.

Students minoring in mathematics must complete the following courses and maintain a GPA of 2.0 for each course in the minor:

Code	Title	Credits
Calculus		6
MA 141 & MA 150 or MA 15	Calculus of a Single Variable and Integral Calculus With Applications Calculus I	
MA 153	Calculus II: Part A	
Linear Algebra (MA 265 does not meet this requirement)		3
MA 229	Linear Algebra	
Electives (take nine credits from the following list, at least one course at the 300 level)		9
MA 154	Calculus II: Part B	
MA 251	Calculus III	
MA 300	Special Topics	
MA 301	Foundations of Advanced Mathematics	
MA 305	Discrete Mathematics	
MA 315	Theory of Computation	
MA 318	Cryptography	
MA 321	Abstract Algebra	
MA 341	Advanced Calculus	
MA 351	Real Analysis	
MA 365	Ordinary Differential Equations	
MA 370	Number Theory	
MA 371	Mathematical Statistics and Probability I	
MA 372	Mathematical Statistics and Probability II	
MA 378	Mathematical Modeling	
Total Credits		18