

# MATHEMATICS MINOR

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## Minor Requirements

### Prerequisite Courses (8 Hours)

Course	Title	Credits
MATH 141	Calculus I	4
MATH 142	Calculus II	4
<b>Total Credit Hours</b>		<b>8</b>

### Requirements

Course	Title	Credits
<b>Required Course</b>		
MATH 241	Vector Calculus	3
<b>Additional Courses</b>		
Select 15 hours from the following: <sup>1</sup>		15
MATH 242	Elementary Differential Equations	
MATH 300	Transition to Advanced Mathematics	
MATH 344	Applied Linear Algebra	
MATH 374	Discrete Structures	
MATH courses at the 500-level		
<b>Total Credit Hours</b>		<b>18</b>

<sup>1</sup> At least 6 hours must be at the 500-level.

### Note

- All courses for a minor must be completed with a C or better.
- At most one of MATH 374 and MATH 574 may be used for minor credit.
- At most one of MATH 344, MATH 526, and MATH 544 may be used for minor credit.
- Most of the math courses at the 500-level have a prerequisite of MATH 300 and/or MATH 344 (or MATH 544, which implicitly assumes completion of 300). Students are therefore strongly urged to include one or both of MATH 300, MATH 344 in their minor program.
- Students with an interest in pure mathematics (algebra, analysis, discrete mathematics, geometry and topology, logic, mathematics education, and number theory) should take MATH 300.
- Students with an interest in applied and computational mathematics (differential equations and modeling, financial mathematics, numerical analysis, optimization) should take MATH 344.
- Prospective minors are urged to consult with an advisor in the Department of Mathematics to plan a coherent program of study.