MATHEMATICS MINOR

Minor Requirements

Prerequisite Courses (8 Hours)

Course | Title               | Credits
--------|---------------------|--------
MATH 141 | Calculus I        | 4
MATH 142 | Calculus II        | 4

Total Credit Hours: 8

Requirements

Course | Title                | Credits
--------|----------------------|--------
Required Course
MATH 241 | Vector Calculus  | 3

Additional Courses
Select 15 hours from the following: 1 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

Total Credit Hours: 18

1 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.