

Title of minor:  
Mathematics Minor

Department:  
Mathematics Department

Contact person:  
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244-3023

Total semester hours required:  
16

General description:  
A mathematics minor complements majors from business and education to sciences by integrating students' knowledge and the analytic thinking skills learned through the study of abstract mathematical systems. The minor can be helpful to students in pre-professional programs such as the health sciences.

Courses Required:

1. MATH 2630 – Multivariable Calculus – 4 s.h. credit
2. MATH 2660 – Linear Algebra – 3 s.h. credit
3. MATH 2690 – Ordinary Differential Equations – 3 s.h. credit
4. Select two of the following:
  - MATH 4110 History of Mathematics – 3 s.h. credit
  - MATH 4200 Discrete Mathematics – 3 s.h. credit
  - MATH 4210 Analysis I – 3 s.h. credit
  - MATH 4220 Analysis II – 3 s.h. credit
  - MATH 4230 Complex Analysis – 3 s.h. credit
  - MATH 4300 Number Theory – 3 s.h. credit
  - MATH 4310 Modern Algebra I – 3 s.h. credit
  - MATH 4320 Modern Algebra II – 3 s.h. credit
  - MATH 4400 Math Models and Simulation – 3 s.h. credit
  - MATH 4470 Foundations of Plane Geometry – 3 s.h. credit
  - MATH 4500 Topology – 3 s.h. credit
  - MATH 4600 Numerical Analysis I – 3 s.h. credit
  - MATH 4610 Numerical Analysis II – 3 s.h. credit
  - MATH 4670 Mathematical Statistics I – 3 s.h. credit
  - MATH 4680 Mathematical Statistics II – 3 s.h. credit
  - MATH 4690 Math Methods Engineer/Physics – 3 s.h. credit
  - MATH 4970 Special Topics in Mathematics – 3 s.h. credit

Additional requirements for the minor:  
N/A

Learning outcomes and methods for evaluating the extent to which students achieve these outcomes:  
Learning outcome: Students are able to formulate problems and apply critical thinking, problem solving skills, and technology to find solutions.

Method: Student survey upon completion of the program.