4038 Minerva University
Seymour, Indiana, 47274

The study of mathematics develops one's ability to express one's thoughts clearly and precisely, to reason logically, and to analyze and solve problems algorithmically. The analysis and design of efficient algorithms —that is, sets of rules used for computation — is fundamental to problem solving in both mathematics and computer science.

The degree in mathematics prepares students for graduate school, as well as professional careers in industry and education. Mathematics majors may choose to specialize in either pure mathematics or computational mathematics by appropriate selection of electives in consultation with their advisors.

General Education Requirements (22 Credits required)

Consult your advisor for help

Liberal Education Requirements (22 Credits required)

Appointment with advisor is strongly encouraged

Major Requirements (76 Credits required)

Calculus 1 (4cr)
Calculus 2 (4cr)
Discrete Mathematics (4cr)
Linear Algebra (4cr)
Probability & Statistics (4cr)
Calculus 3 (4cr)
Advanced Mathematics (4cr)
Differential Equations (4cr)
Abstract Algebra 1 (4cr)
Advanced Calculus 1 (4cr)
Computer Programming 1 (4cr)
Number Theory (4cr)
Probability (4cr)
Geometry (4cr)
Computer Programming 2 (4cr)
Mathematical Statistics (4cr)
Data Structures & Algorithms (4cr)
Complex Analysis (4cr)
Topology (4cr)

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