Morris Campus

Mathematics Minor

Division of Science & Mathematics - Adm

Division of Science and Mathematics

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2016
- Required credits in this minor: 26

The mission of the discipline is to advance knowledge of mathematics by teaching mathematics and its processes, by research in mathematics and mathematical pedagogy, and by dissemination of this knowledge to students and the community we serve.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Minor Requirements

Courses may not be taken S-N unless offered S-N only. Up to 5 credits of coursework with a grade of D or D+ may be used to meet the minor requirements if offset by an equivalent number of credits of B- or above in courses at or above the 2XXX level.

The GPA in these courses must be at least 2.00.

Required Courses

MATH 1101 - Calculus I [M/SR] (5.0 cr)
MATH 1102 - Calculus II [M/SR] (5.0 cr)
MATH 3111 - Linear Algebra (4.0 cr)

Elective Courses

Take 12 or more credit(s) from the following:

- MATH 2101 - Calculus III [M/SR] (4.0 cr)
- MATH 2202 - Mathematical Perspectives [M/SR] (4.0 cr)
- MATH 2211 - History of Mathematics (4.0 cr)
- MATH 2212 - Introduction to Knot Theory [M/SR] (4.0 cr)
- MATH 2401W - Differential Equations [M/SR] (4.0 cr)
- MATH 2501 - Probability and Stochastic Processes [M/SR] (4.0 cr)
- MATH 3211 - Geometry [M/SR] (4.0 cr)
- MATH 3221 - Real Analysis I (4.0 cr)
- MATH 3231 - Abstract Algebra I (4.0 cr)
- MATH 3401 - Operations Research (4.0 cr)
- MATH 3411 - Discrete and Combinatorial Mathematics (4.0 cr)
- MATH 3501 *{Inactive}*(2.0 cr)
- MATH 3502 *{Inactive}*(2.0 cr)
- MATH 3222 - Complex Analysis (2.0 cr)
- MATH 4211 - Real Analysis II (2.0 cr)
- MATH 4221 - Topology (2.0 cr)
- MATH 4231 - Abstract Algebra II (2.0 cr)
- MATH 4241 - Number Theory (2.0 cr)
- MATH 4252 - Differential Geometry (2.0 cr)
- MATH 4253 - Combinatorics (2.0 cr)
- MATH 4401 - Numerical Methods with Applications in Mathematical Modeling (4.0 cr)
- MATH 2452 - Introduction to Mathematical Modeling (4.0 cr)
- One of the courses below can be chosen to fulfill 4 elective credits for the math minor
  - STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

  or STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)

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