MINOR IN MATHEMATICS

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Students must complete MATH 241, and at least one 400-level MATH course for admission into the minor. The Mathematics minor is designed to prepare students majoring in some other discipline with a background in mathematics that is both broad and deep. Students interested in pursuing the minor should have completed the calculus sequence through MATH 241, and one additional Math course at the 400-level demonstrating a strong record of success in college-level mathematics courses. Given the cumulative character of mathematics preparation, students earning grades of C or below in previous mathematics courses are advised not to pursue the minor.

MATH 241  Calculus III  4
Completed in one of two ways:  15
  MATH 347  Fundamental Mathematics (and four courses
    chosen from at least two of the following lists
    of courses)  OR

  five courses chosen from at least two of the following lists
  of courses.

Algebra
  MATH 410  Lin Algebra & Financial Apps
  MATH 415  Applied Linear Algebra
  MATH 416  Abstract Linear Algebra
  MATH 417  Intro to Abstract Algebra
  MATH 418  Intro to Abstract Algebra II
  MATH 427  Honors Abstract Algebra
  MATH 453  Elementary Theory of Numbers

Discrete Mathematics
  MATH 412  Graph Theory
  MATH 413  Intro to Combinatorics
  MATH 414  Mathematical Logic
  MATH 482  Linear Programming

Analysis
  MATH 284  Intro Differential Systems
  MATH 285  Intro Differential Equations
  MATH 286  Intro to Differential Eq Plus
  MATH 424  Honors Real Analysis
  MATH 425  Honors Advanced Analysis
  MATH 441  Differential Equations
  MATH 442  Intro Partial Diff Equations
  MATH 444  Elementary Real Analysis
  MATH 446  Applied Complex Variables
  MATH 447  Real Variables
  MATH 448  Complex Variables
  CS 450  Numerical Analysis
  MATH 484  Nonlinear Programming
  MATH 487  Advanced Engineering Math
  MATH 489  Dynamics & Differential Eqns

Probability and Statistics
  MATH 461  Probability Theory
  STAT 400  Statistics and Probability I
  STAT 410  Statistics and Probability II ¹
  or STAT 420  Methods of Applied Statistics

Total Hours  19

¹ Students may use STAT 410 or STAT 420, but not both toward the minor.