2021 - 2022 Minor Map
Mathematics

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus

Program Requirements

The minor in mathematics consists of 20 credit hours (a minimum of 12 credit hours must be upper division). A minimum of nine upper-division credit hours must be taken from the School of Mathematical and Natural Sciences. Elective courses not on this list should be approved by an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 14 credit hours

MAT 271: Calculus with Analytic Geometry II (MA) (4)
MAT 272: Calculus with Analytic Geometry III (MA) (4)
MAT 300: Mathematical Structures (L) (3)
MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

Upper-Division Elective Courses (choose two courses) -- 6 credit hours

MAT 310: Introduction to Geometry (3)
MAT 371: Advanced Calculus I (3)
MAT 411: History and Philosophy of Mathematics (HU & H) (3)
MAT 421: Applied Computational Methods (CS) (3)
MAT 443: Introduction to Abstract Algebra (3)
MAT 445: Theory of Numbers (3)
MAT 452: Introduction to Chaos and Nonlinear Dynamics (3)
MAT 461: Applied Complex Analysis (3)
MAT 462: Applied Partial Differential Equations (3)
MAT 472: Intermediate Real Analysis I (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.