Mathematics, Minor

Description

The minor in mathematics, offered by the School of Mathematical and Natural Sciences, explores the study of higher mathematics. It is designed to enable the student to understand the mathematics most commonly used in business, economics and science. It is expected that students in the minor will be able to reason and to find creative solutions to problems that are either presented to them or meaningfully formulated by them. The minor is recommended for students who plan to major in interdisciplinary arts and sciences, biology or business and for those who are preparing for further graduate study.

At a Glance

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

2018 - 2019 Major Map  
Major Map (Archives)

Program Requirements

The minor in mathematics consists of a minimum of 23 credit hours (a minimum of 12 credit hours must be upper division). A minimum of nine credit hours must be taken from the School of Mathematical and Natural Sciences. Elective courses not on 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.

**Required Courses -- 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)

**Elective Courses -- 9 credit hours**
Choose three electives from the following, for a total of nine credits.

- MAT 310: Introduction to Geometry (3)
- MAT 371: Advanced Calculus I (3)
- MAT 411: History and Philosophy of Mathematics (HU & H) (3)
- MAT 443: Introduction to Abstract Algebra (3)
- MAT 445: Theory of Numbers (3)
- STP 280: Probability and Statistics for Researchers (CS) (3)

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

**Enrollment Requirements**

**GPA Requirement:** None

**Majors Ineligible to Add This Minor:** None

**Other Enrollment Requirements:** None

The minor in mathematics is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information**

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