Mathematics

ASMATHMIN

Description

Degree Awarded: Minor Mathematics (Minor)

The minor in mathematics 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.

The program is offered by offered by the School of Mathematical and Natural Sciences.

At a Glance

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

Minor Map (Archives)

2019 - 2020 Minor Map

The minor in mathematics consists of a minimum of 27 credit hours, of which nine credit hours must be taken from the School of Mathematical and Natural Sciences.

Required Courses:

- MAT 270 Calculus with Analytic Geometry I, MA (4)
- 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 (3)

Elective Courses:
Choose three electives from the following courses or from other approved courses, in consultation with a departmental advisor, 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 420 Introductory Applied Statistics, CS (3)

Depending upon 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

Incompatible Majors: 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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