

# Mathematics, Minor

LAMATMIN

Critical thinking and problem-solving are desirable qualities in any career. Math is the perfect area in which to develop these skills. Increase your employability with a math minor.

## Description

The minor in mathematics is designed for students who want to further their knowledge of mathematics by developing more organized and logical thinking. It is beneficial for students majoring in any field where there is a need for quantification in the analysis of information.

## At a glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** [Tempe](#)

## Program requirements

[2024 - 2025 Minor Map](#)

[Minor Map \(Archives\)](#)

The minor in mathematics consists of a minimum of 18 credit hours, of which at least 12 must be upper division. A grade of "C" (2.00 on a 4.00 scale) or better is required for courses used in the minor.

### Required Courses -- 9 credit hours

A minimum of 9 credit hours is required. Students completing MAT 271 and MAT 272 will complete a total of 11 credit hours.

[MAT 271: Calculus with Analytic Geometry II \(MATH OR MA\)](#) or [MAT 266: Calculus for Engineers II \(MATH OR MA\)](#) (3-4)

MAT 272: Calculus with Analytic Geometry III (MATH OR MA) or MAT 267: Calculus for Engineers III (MATH OR MA) (3-4)

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

### **Upper Division Electives -- 9 credit hours**

In consultation with an academic advisor in the School of Mathematical and Statistical Sciences, students will choose nine credit hours of upper-division coursework in any combination from ACT, DAT, MAT and STP subjects. Students must complete at least three courses from these subjects.

ACT OR DAT OR MAT OR STP Upper Division Elective (9)

Students may not apply ACT 491, MAT 411, or MAT 485, or any course not offered by The College of Liberal Arts and Sciences to the minor, unless approved by an academic advisor in the School of Mathematical and Statistical Sciences prior to registration.

Prerequisite courses may be needed in order to complete the requirements of this minor.

## **Enrollment requirements**

**GPA Requirement:** None

**Incompatible Majors:** BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics; BS in data science; BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

**Other Enrollment Requirements:** None

Students should confer with an academic advisor in the School of Mathematical and Statistical Sciences before declaring the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. 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 or the minor program. Courses taken for the minor may not count toward both the major and the minor.

## **Career opportunities**

Mathematics is foundational and can be applied to many different types of careers. Math is a crucial part of engineering, life sciences, business, physics, economics and social sciences. A mathematics minor can be tailored to enhance a variety of top careers, including:

- cryptographer
- engineer
- financial analyst

- operations research analyst
- statistician
- teacher

A minor in mathematics can help students who are considering law school or medical school to prepare for entrance exams.

## Contact information

[School of Mathematical and Statistical Sciences](#) | WXL 216  
[math@asu.edu](mailto:math@asu.edu) | 480-965-7195