Mathematics, Minor

Increase your employability. A math minor is a great complement to any degree, whether liberal arts, the sciences, and especially economics, finance and the computer and physical sciences.

Description

The minor in mathematics is designed for students who want to further their knowledge of mathematics. It is beneficial for students majoring in any field where there is a need for quantification in the analysis of phenomena.

At a Glance

- **College/School:** The College of Liberal Arts and Sciences
- **Location:** Tempe campus

Program Requirements

Minor Map (Archives)
2021 - 2022 Minor Map

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 (MA)** or **MAT 266: Calculus for Engineers II (MA)** (3-4)
MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (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 choose nine credit hours of upper-division coursework in any combination from ACT, MAT and STP subjects. Students 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.

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

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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. 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.

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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. These are just a few of the top careers possible with a minor in mathematics:
• cryptographer
• engineer
• financial analyst
• mathematician
• operations research analyst
• statistician
• teacher

Contact Information

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