Computational Mathematical Sciences, Minor

LACMSMIN

Working with new technologies demands a strong foundation in math coupled with computing skills. By earning a computational mathematics minor, you can enter the workforce in a wide variety of fields such as software development, medical research, logistics or finance.

Description

The computational mathematical sciences minor offers students a curriculum that includes computer science with coursework in mathematics.

At a Glance

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

2018 - 2019 Major Map
Major Map (Archives)

Program Requirements

The minor in computational mathematical sciences consists of a minimum of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and all courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 18 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)
MAT 420: Scientific Computing (3)
MAT 421: Applied Computational Methods (CS) (3)
MAT 423: Numerical Analysis I (CS) or MAT 425: Numerical Analysis II (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: 2.00

Majors Ineligible to Add This Minor: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics, BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

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

School of Mathematical and Statistical Sciences | WXLR A211
math@asu.edu | 480-965-7195