Data Science, Minor

LADATSCMIN

See your current field of study through a new lens. By becoming adept with specific data skills, you can make informed decisions about the world around you.

Description

A minor in data science provides students with skills in statistics, probability and coding in the context of large data sets. Students in this minor become useful consumers and producers of data. They understand and manipulate data sets to make conclusions and recommendations that can have an impact in real-world settings.

At a Glance

- College/School: The College of Liberal Arts and Sciences
- Location: Tempe or Online

Program Requirements

2023 - 2024 Minor Map
Minor Map (Archives)

The minor in data science consists of a minimum of 25 credit hours, at least 12 of which must be at the upper division level. A grade of "C" (2.00 on a 4.00 scale) or better is required for courses used in the minor.

Required Courses -- 25 credit hours

DAT 250: Data Science and Society (3)
DAT 300: Mathematical Tools for Data Science (3)
DAT 301: Exploring Data in R and Python (4)
DAT 401: Statistical Modeling and Inference for Data Science (3)
DAT 402: Machine Learning for Data Science (3)
MAT 265: Calculus for Engineers I (MA) or MAT 270: Calculus with Analytic Geometry I (MA) (3-4)
MAT 266: Calculus for Engineers II (MA) or MAT 271: Calculus with Analytic Geometry II (MA) (3-4)
MAT 343: Applied Linear Algebra (3)

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

**Enrollment Requirements**

**GPA Requirement:** N/A

**Incompatible Majors:** All majors in the School of Mathematical and Statistical Sciences

**Other Enrollment Requirements:** N/A

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 program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online**

**ASU Online**

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page for program descriptions and to request more information.

**Career Opportunities**

Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in data science can help students with mathematical, statistical and computational modeling; data analysis; programming; and critical thinking skills as they pursue careers in business, medicine, insurance and research (government and private sectors). The intent of this minor is to apply the skills learned into any academic field of study to enhance the understanding of an increasingly data-based society.

**Contact Information**