

Data Science, Minor

LADATSCMIN

See your current field of study through a new lens. By becoming adept with specific data science 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 proficient at understanding and manipulating data sets to draw conclusions and make recommendations that impact real-world settings.

At a glance

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

Program requirements

[2024 - 2025 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 \(MATH OR MA\)](#) or [MAT 270: Calculus with Analytic Geometry I \(MATH OR MA\)](#) (3-4)

[MAT 266: Calculus for Engineers II \(MATH OR MA\)](#) or [MAT 271: Calculus with Analytic Geometry II \(MATH OR MA\)](#) (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 or the minor program. Courses taken for the minor may not count toward both the major and the 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

A minor in data science can make students more valuable to employers by enhancing their critical-thinking skills and improving their decision-making in careers as diverse as business, engineering, science, industry and government.

Contact information

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