

Geographic Information Science, Certificate

LAGISCERT

Learn to utilize technology with geographic information science to help companies innovate and navigate the world.

Description

The geographic information science undergraduate certificate program pairs the practical skill of geographic information science with the conceptual knowledge of geographical problem-solving and spatial thinking.

At a glance

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

Program requirements

[2024 - 2025 Certificate Map](#)
[Certificate Map \(Archives\)](#)

The certificate requires 20 credit hours with a grade of "C" (2.00 on a 4.00 scale) or higher. At least 12 of the 20 credit hours must be upper division.

Geographic Information Science Core -- 11 credit hours

[GIS 205: Geographic Information Science I \(QTRS OR CS\)](#) (3)

[GIS 211: Geographic Information Science II \(QTRS OR CS\)](#) (4)

[GIS 311: Geographic Information Science III \(QTRS OR CS\)](#) (4)

Upper Division GIS Electives -- 6 credit hours

[GIS Upper Division Elective](#) (6)

Upper Division Related Coursework -- 3 credit hours

[GCU](#) OR [GIS](#) OR [GPH](#) OR [PUP](#) OR [CEE](#) OR [CSE](#) OR [EEE](#) OR [EGR](#) OR [FSE](#) OR [IEE Upper Division Elective](#) (3)

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

Enrollment requirements

ASU degree-seeking students

The BS in geographic information science is incompatible with this certificate program.

Nondegree-seeking students

This certificate is available through the [Pathways for the Future program](#). Applicants without a bachelor's degree are eligible to apply for, and receive, this certificate through the Pathways for the Futures program. Applicants who already hold a bachelor's degree should apply to ASU and this certificate program as a nondegree-seeking graduate student.

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

Geographic information science is one of the fastest-growing segments of the economy, and employment possibilities can be found across the private sector as well as in many government agencies at the local, state and national levels.

Students who pair this geographic information science certificate with their degree program will have added knowledge and abilities in the following highly desirable skills:

- analysis
- computer programming
- problem solving
- statistics

These skills are applicable to many fields, including:

- health care

- nonprofit organizations
- real estate
- retail
- utilities

Contact information

[Schedule an advisor appointment](#)

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