Geographic Information Science, Certificate

LAGISCERT

Geographic information science takes computer science to a new level, specializing in technology that puts companies like Google on the forefront of innovation and navigating the globe. This certificate program is a valuable addition to a variety of degree programs and disciplines.

Description

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.

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

At a Glance

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

Program Requirements

Certificate Map (Archives)
2021 - 2022 Certificate Map

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 (CS) (3)
GIS 211: Geographic Information Science II (CS) (4)
GIS 311: Geographic Information Science III (CS) (4)

Upper Division GIS Elective Courses -- 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)

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

Enrollment Requirements

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

This certificate is available through the Pathways for the Future program: https://pff.asu.edu/. 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 offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here.

Career Opportunities

Students who pair this geographic information science certificate with their degree program have added to their knowledge and abilities highly desirable skills in statistics, computer programming, analysis and problem-solving. Application of these skills can be used in local, state and national governments, utilities, health organizations, nonprofits, real estate, retail and many others.

Contact Information

Schedule an advisor appointment
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