

Certificate in Geographic Information Systems

About This Program

Certification in Geographic Information Systems is designed for students in non-Earth and Environmental Sciences majors who want to become proficient in spatial data analysis, which is used in business, liberal arts, engineering and architecture disciplines.

This is a certification program and does not lead to a second major or minor. However, students may use these courses to count towards a Geology minor. Students completing the Geology BA Geographic Information Systems Option or Geoinformatics BS plans may not also earn this certificate, as the certificate courses are required for those degrees.

Competencies

1. Upon graduation, students will be able to acquire skills in critical thinking and technical knowledge.
2. Upon graduation, students will be able to skills in data analysis and geographic mapping.
3. Upon graduation, students will be able to learn approaches of cartographic design that can offer new perspectives on the physical processes and social interactions that take place on the earth's surface.

Curriculum

Foundations

GEOL 4330	UNDERSTANDING GEOGRAPHIC INFORMATION SYSTEMS	3
GEOL 4331	ANALYSIS OF SPATIAL DATA	3
GEOL 4333	REMOTE SENSING FUNDAMENTALS	3
GEOL 4334	GEOGRAPHIC DATA ANALYSIS	3
Total Hours		12

Program Completion

Students must obtain a 3.0 cumulative GPA in the required courses in order to earn the certificate.

Advising Resources

First time in college students should plan to speak to a program advisor when starting their second year. or have an academic advising hold. Transfer students should contact program advising when enrolled or have an academic advising hold.

Location:

SH 328C

Email:

kaycee.nikses@uta.edu

Phone:

817-272-9686

Web:

Schedule an appointment (<https://outlook.office365.com/book/PHYSGEOLEESADVISING@mavs.uta.edu/>)