Geographic Information Systems + Computer Science (CSCE & GEOG)

Cloud computing, big data, and Internet of Things (IoT) have dramatically impacted use of geospatial data. The GIS+CS degree at UNT addresses these needs by producing graduates who understand the complexities of geospatial data and are able to leverage computing techniques to convert such data into meaningful information. Graduates of the program can apply geographical perspectives to contextualize and interpret complex geospatial processes captured through data, have a sound understanding of computing principles, have experience in programming using various languages including C++ and Python, understand the complexities of using databases - a critical component of GIS, and have taken specialized courses, such as remote sensing, enterprise GIS, computer networks, security, data mining, graphics, and artificial intelligence.

Enhance your marketable skills through:

- A minor or certificate
- Developing programming skills
- Research experience
- Volunteering & internships
- Study Abroad
- Participation in student organizations
- Attend career and academic workshops
- Part-time job

Popular Alumni Career Fields:

- GIS Engineering
- GIS Analytics
- GIS Solution Engineering
- GIS Application Progamming
- Information Technology
- Federal, State, & Local Government
- Real Estate
- Logistics
- Retail
- Defense
- Infrastructure
- Energy

Complementary Majors, Minors & Certificates:

- Biology
- Urban Planning
- Mathematics
- Data Science
- Emergency Administration & Planning
- Sustainability Certificate
- GIS Certificate
- Geospatial Data Analytics Certificate
- Geophoto Certificate

Professional Organizations:

Geography Club
(geog@unt.edu)

Gamma Theta Upsilon
(http://www.gammathetaupsilon.org)

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