UNT | COLLEGE OF LIBERAL ARTS & SOCIAL SCIENCES

BS IN GIS + COMPUTER SCIENCE ACADEMIC MAP

2026-2027

A Bachelor of Science degree in Geographic Information Systems + Computer Science (GIS+CS) enables understanding of geospatial processes as well as process-based/algorithmic approaches to problem solving. The changing nature of geospatial data (e.g. location-based data) and associated analytical methods (e.g. machine learning) requires professionals who can blend these two approaches – i.e. develop processes and algorithms while understanding the larger context within which they occur.

FALL	Hrs
ENGL 1310 or TECM 1700 (C or Better)	3
Life and Physical Science #1 (GEOG 1710 recommended)	3
Creative Arts	3
MATH 1100	3
PSCI 2305	3
Total Hours	***15***

Milestones
- Earn a 2.0 UNT and overall GPA
- Earn grades of C or better in all GEOG, CSCE, and MATH major courses
- See your academic advisor to plan for next semester
- Visit the Career Center (start resumé, explore careers)

SPRING	Hrs
ENGL 1320 or TECM 2700 (C or Better)	3
Life and Physical Science #2 (GEOL 1610 recommended)	3
MATH 1650	5
CSCE 1030 or CSCE 1035	3
PSCI 2306	3
Total Hours	***17***

Milestones
- Maintain a 2.0 UNT and overall GPA
- Earn grades of C or better in all GEOG, CSCE, and MATH major courses
- See your academic advisor to plan for next semester

FALL	Hrs
HIST 2610	3
Social and Behavioral Science (GEOG 1200 or GEOG 1500 recommended)	3
Language Philosophy and Culture	3
CSCE 1040 or 1045	3
MATH 1710 (Component Area Option #1)	4
Total Hours	***16***

Milestones
- Maintain a 2.0 UNT and overall GPA
- Earn grades of C or better in all GEOG, CSCE, and MATH major courses
- See your academic advisor to plan for next semester
- **See faculty advisor for degree audit request form** (official degree audit, if not already completed)

SPRING	Hrs
HIST 2620	3
GIS Core (Advanced) (GEOG 3500 recommended)	3
CSCE 2100	3
CSCE 2110	3
Component Area Option Course #2	3
Total Hours	***15***

Milestones
- Maintain a 2.0 UNT and overall GPA
- Earn grades of C or better in all GEOG, CSCE, and MATH major courses
- See your academic advisor to plan for next semester
- Look into Study Abroad options

Last Updated 4/13/26

FALL	Hrs
GIS Core (Advanced)	3
GIS Core (Advanced)	3
Professional Track Course (Advanced)	3
Elective	3
Elective	3
Total Hours	***15***

Milestones
- Maintain a 2.0 UNT and overall GPA
- Earn grades of C or better in all GEOG, CSCE, and MATH major courses
- See your academic advisor to plan for next semester
- Explore Internship options (Career Center, major department, etc.)

SPRING	Hrs
GIS Core (Advanced)	3
GIS Core (Advanced)	3
Professional Track Course (Advanced)	3
Elective	3
Elective	3
Total Hours	***15***

Milestones
- Maintain a 2.0 UNT and overall GPA
- Earn grades of C or better in all GEOG, CSCE, and MATH major courses
- See your academic advisor to plan for next semester

FALL	Hrs
GIS Elective (Advanced)	3
Professional Track Course (Advanced)	3
Elective (Advanced)	3
Elective (Advanced)	3
Elective	3
Total Hours	***15***

Milestones
- Maintain a 2.0 UNT and overall GPA
- Earn grades of C or better in all GEOG, CSCE, and MATH major courses
- See your academic advisor to plan for next semester
- Pre-Graduation Check/Apply for Graduation

SPRING	Hrs
Professional Track Course (Advanced)	3
Professional Track Course (Advanced)	3
Elective (Advanced)	3
Elective	3
Total Hours	***12***

Milestones
- Earn a 2.0 UNT and overall GPA
- Earn grades of C or better in all GEOG, CSCE, and MATH major courses
- See your academic advisor to plan for next semester
- **Apply for graduation two weeks prior to the start of Spring Term**
- Reach a total of at least 120 Credit Hours
- Reach a total of at least 42 Advanced Hours

Additional Information

- Course descriptions and prerequisites available at: catalog.unt.edu
- To see how your coursework applies, run your official degree audit at: mydegreeaudit.unt.edu
- Questions? Make an advising appointment with your advisor at: unt.navigate.eab.com