BS IN GIS + CS ACADEMIC MAP

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. This degree is highly marketable and offers an advantage in an increasingly competitive job market.

The following four-year plan is one example of a variety of ways in which you can complete your chosen degree in four years. **INDIVIDUAL CIRCUMSTANCES VARY (FOR EXAMPLE, CREDIT FOR PRIOR COURSEWORK, SCHEDULING CONSTRAINTS, AND EMPHASIS WITHIN GEOGRAPHY); THEREFORE, IT IS HIGHLY UNLIKELY THAT YOU WILL FOLLOW THIS SAMPLE PLAN. PLEASE SEE A GEOGRAPHY ADVISOR TO CREATE A CUSTOMIZED PLAN.**

Fall	Hrs.	Spring	Hrs.
ENGL 1310 or TECM 1700	3	ENGL 1320 or TECM 2700	3
Life and Physical Sciences (GEOG 1710 recommended)	3	Life and Physical Sciences (GEOL 1610 recommended)	3
Creative Arts	3	Component Area Option 1	3
MATH 1100	3	CSCE 1030/1035 (See Advisor to discuss options)	3
PSCI 2305	3	PSCI 2306	3
Total hours	15	Total hours	15

*All major courses and prerequisites need grades of C or better.

Fall	Hrs.	Spring	Hrs.
CSCE 1040/1045	3	CSCE 2100	3
MATH 1650 (Core Math)	5	CSCE 2110	3
Social & Behavioral Science (GEOG 1200 or 1500 recommended	3	MATH 1710 (Component Area Option 2)	4
Language, Philosophy, & Culture (GEOG 1000 recommended)	3	GEOG 3500	3
HIST 2610	3	HIST 2620	3
Total Hours	17	Total Hours	16

Fall	Hrs.	Spring	Hrs.
GEOG 4550	3	GEOG 4560	3
GIS Elective (Advanced)	3	GIS + CS Track Elective (Advanced)	3
GIS + CS Track Elective (Advanced)	3	GIS + CS Track Elective (Advanced)	3
Elective (Advanced)	3	Elective (Advanced)	3
Elective	3	Elective	3
Total hours	15	Total hours	15

Fall	Hrs.	Spring	Hrs.
GEOG 4570	3	GEOG 4590	3
GIS + CS Track Elective (Advanced)	3	GIS + CS Track Elective (Advanced)	3
Elective (Advanced)	3	Elective	3
Elective	3	Elective	3
Elective	3		
Total hours	15	Total hours	12
Milestones		**Milestones**	
Pre-graduation check		Apply for graduation in first two weeks of semester	