

Geographic Information Science | Bachelor's Degree

| | FIRST YEAR | MIDDLE YEARS | LAST YEARS |
|---|--|--|--|
| ADVANCE your academic journey | <p>Meet with a Liberal Arts Academic Advisor to develop your academic planning.</p> <p>Visit TXST One Stop or BOSS for scholarship opportunities.</p> <p>Adopt your University Seminar US1100 learning as key for first year success.</p> <p>Take advantage of the Student Learning Assistance Center (Tutoring).</p> | <p>Explore Campus Resources for academic and personal support.</p> <p>Visit the College of Liberal Arts Advising Center for guidance with successful degree completion, identifying resources, and help achieving academic, personal, and professional goals.</p> <p>Explore external scholarship opportunities such as the Fulbright Scholarship to take your expertise to unique locations abroad.</p> <p>Meet with a faculty mentor to select an undergraduate research opportunity.</p> <p>Share your knowledge as a Peer Mentor or Tutor at SLAC.</p> | <p>Check your Degree Audit & meet with your academic advisor.</p> <p>Complete a capstone project related to major.</p> <p>Create and update a digital portfolio of academic work and experiences.</p> <p>Meet with a faculty mentor or peer advisor.</p> <p>Explore next steps including potential graduate programs.</p> |
| EXPAND your personal and social development | <p>Build social networks by joining events and organizations through the Bobcat Organization Club.</p> <p>Review your degree plan for course options that include the Service-Learning Excellence program.</p> <p>Attend the College of Liberal Arts Undergraduate Research Expo to explore innovative student research.</p> <p>Attend Education Abroad and Study in America information sessions to plan a future opportunity to have a global or intercultural experience.</p> | <p>Participate in The Big Event to give back to the regional community.</p> <p>Attend a Nonprofit and Volunteer Fair from Student Involvement to jump into meaningful service in TXST's community.</p> <p>Meet with an advisor in Education Abroad or Study in America to explore financial aid options.</p> <p>Discover Global Online Learning Experiences for courses with culturally dynamic perspectives.</p> | <p>Select a service activity through Student Involvement to give back to the area community.</p> <p>Seek out a leadership role with the Leadership & Service.</p> <p>Attend a Student Government Senate meeting to contribute to your fellow students and your own student experience.</p> |
| ENRICH your practical competence | <p>Explore the TXST One Stop for more information about the scholarships provided to new and continuing students.</p> <p>Visit BOSS for scholarship opportunities.</p> <p>Attend an IDEA Center workshop to learn more about undergraduate research.</p> | <p>Join a Geography and Environmental Studies Club to connect with peers and contribute to exciting environmental and geospatial initiatives</p> <p>Learn the Department of Geography and Environmental Studies internship opportunities and requirements before participating or taking an internship.</p> <p>Become a mentee through the COLA Mentoring program which connects students with alumni for career advice, networking, and professional development.</p> | <p>Learn about Global Career Accelerator options that give you experience with global companies and in-demand tech skills.</p> <p>Join a professional organization in your major or passion.</p> <p>Attend a conference related to your major (get recommendations from a faculty) or your student organization.</p> <p>Complement your degree with a micro credential from Alkek One.</p> <p>Consider adding a skill from the TXST Coursera Career Academy.</p> |
| ELEVATE your career and professional life | <p>Create your LinkedIn profile and connect with colleagues and leaders.</p> <p>Create your Handshake profile.</p> <p>Complete your Career Assessments, such as Focus2.</p> | <p>Develop your resume with the help of the professionals at Career Services.</p> <p>Build Career & Graduate School Fairs into your schedule to ensure your connection maximum opportunities.</p> <p>Join Employer Information Sessions at Career Services or your department.</p> <p>Prepare to ace your job interviews with Career Services or your academic department.</p> | <p>Identify faculty and professional references.</p> <p>Develop a full-time employment or graduate school plan with Career Services.</p> <p>Complete your First Destination Survey to share your post-graduation plans.</p> |

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OUTCOMES

Marketable Skills

Think critically

Analyze and solve problems

Communicate clearly and effectively

Ability to effectively communicate and present ideas through a cartographic map

Ability to gather and develop appropriate spatial and non-spatial data from various sources and use GIS to analyze and visualize the results of geographic problem solving

Ability to understand and apply the basic concepts of map reading and cartographic mapping techniques for quantitative and qualitative data.

[See more marketable skills for this major](#)

Career Opportunities

Geospatial information scientists and technologists

Geophysical data technicians

Remote sensing technicians

Cartographers and photogrammetrists

Precision agriculture technicians

Urban and regional planners

Experiences in Geographic Information Science

The bachelor of science degree with major in geographic information science prepares students for careers in local, state, and federal agencies as well as commercial enterprises, planning departments, engineering firms, utilities providers and other industries. Students are required to complete a minor and can choose any Texas State approved minor. Students may participate in faculty-led study abroad or Study in America trips, develop a professional community at association or networking events, or join student organizations for a well-rounded experience.