

	FIRST YEAR	MIDDLE YEARS	LAST YEARS
ADVANCE your academic journey	Meet with a <u>First Year Advisor</u> to develop your academic planning.	Check out the <u>Collaborative Learning Center's (CLC) computer lab</u> , free walk-in STEM tutoring, and resources like a textbook library and TI-83+ calculators to enhance your learning.	Check your Degree Audit & meet with your academic advisor.
	Participate in the <u>Experiential Education Certificate</u> Program.	Regularly check the <u>curricula and flowchart</u> pre-requisites and co-requisites for courses may change over time.	Explore next steps including potential graduate programs.
	Visit <u>TXST One Stop</u> or <u>BOSS</u> for scholarship opportunities.	Explore external scholarship opportunities such as the <u>Fulbright</u> Scholarship to take your expertise to unique locations abroad.	Complement your degree with a <u>micro credential</u> . Complete a capstone project related to major.
		Explore <u>Campus Resources</u> for academic and personal support. Share your knowledge as a Peer Mentor or Tutor at SLAC.	Create and update a digital portfolio of academic work and experiences.
EXPAND your personal and social development	Review your degree plan for courses that include the <u>Service-Learning Excellence</u> program. Begin expanding your student experience by joining a student organization through the <u>Bobcat Organization</u> <u>HUB</u> .	Share your knowledge as a <u>Peer Mentor</u> or <u>Futor at SEAC</u> . Consult your academic advisor and learn about <u>scholarship opportunities</u> . Meet with an advisor in <u>Education Abroad</u> or <u>Study in America</u> to explore financial aid options toward learning in an international or national setting. Expand your leadership skills through <u>Student Involvement's Leadership & Service</u> programming and workshops. Join engineering student organizations and collaborate on faculty-led research. Explore <u>Ingram Hall Makerspace (ISoE)</u> to apply your skills and bring ideas to life.	Select a service activity through <u>Student Involvement</u> to give back to the area community. Participate in <u>Senior Design Day</u> to showcase your skills. Attend a <u>Student Government Senate</u> meeting to contribute to the TXST community. Seek out a leadership role with the <u>Leadership &</u> <u>Service</u> .
ENRICH your practical competence	Explore the <u>TXST One Stop</u> for more information about the scholarships provided to new and continuing students. Attend an <u>IDEA Center</u> workshop to learn more about undergraduate research. Consider the <u>STEM Communities Learning Assistance</u> program.	Participate in <u>The Big Event</u> to give back to the regional community. Learn about <u>Global Career Accelerator</u> options that give you experience with global companies and in-demand tech skills. Consider the <u>Cooperative Education</u> program to gain valuable real-world experience. Discover <u>Global Online Learning Experiences</u> for courses with culturally dynamic perspectives.	Join a professional organization in your major or passion. Attend a conference related to your major (get recommendations from a faculty) or your student organization. Deliver a presentation in a student conference, workshop, seminar or community organization.
ELEVATE your career and professional life	Complete your <u>Career Assessments</u> , such as Focus2. Create your <u>Handshake</u> profile. Create your <u>LinkedIn</u> profile and connect with colleagues and leaders. Develop and review your <u>resume</u> with Career Services.	 Build <u>Career & Graduate School Fairs</u> into your schedule to ensure your connection maximum opportunities. Join <u>Employer Information Sessions</u> at Career Services or your department Prepare to ace your job interviews with Career Services or your academic department. Prepare to <u>ace your job interviews</u> Career Services or your academic department. 	Develop a full-time employment or graduate school plan with <u>Career Services</u> . Complete your <u>First Destination Survey</u> to share your post-graduation plans. Identify faculty and professional references.

Civil Engineering | Bachelor's Degree

OUTCOMES



Marketable Skills

Think critically

Analyze and solve problems

Communicate clearly and effectively

Students are able to complete the analysis and subsequent design of civil engineering infrastructure systems, components, or processes both independently and as part of a multidisciplinary team

Students are proficient in the use of office productivity software, infrastructure design software, and predictive modeling software in order to analyze and design infrastructure assets

See more marketable skills for this major

Experiences in Civil Engineering

The bachelor of science with major in civil engineering is the first civil engineering program in Texas with a holistic emphasis on technologyenhanced infrastructure, including sensors systems; data transmission, storage and sharing; predictive modeling; maintenance protocols; and asset management. Senior design or "capstone" activities incorporate appropriate engineering standards and multiple constraints and is based on knowledge and skills acquired in earlier course work. An optional cooperative education program is available or students may participate in internships which develop both design and industry awareness and expertise. Membership in student organizations, research initiatives and opportunities to apply for nationally recognized service activities contribute to their experience.

Career Opportunities

Surveyor CAD technician Building engineer Water hygiene engineer Urban planner Fire engineer Field service engineer Construction manager Environmental engineer Construction estimator Design engineer