

Civil Engineering | Bachelor's Degree

	FIRST YEAR	MIDDLE YEARS	LAST YEARS
ADVANCE your academic journey	<p>Take advantage of COSE Virtual Express advising.</p> <p>Meet with your COSE Academic Advisor to develop your academic plan.</p> <p>Visit TXST One Stop or BOSS for scholarship opportunities.</p> <p>Explore majors with a MyMajors assessment.</p>	<p>Check out the Collaborative Learning Center's (CLC) computer lab, free walk-in STEM tutoring, and resources like a textbook library and TI-83+ calculators to enhance your learning.</p> <p>Regularly check the curricula and flowchart pre-requisites and co-requisites for courses may change over time.</p> <p>Explore external scholarship opportunities such as the Fulbright Scholarship to take your expertise to unique locations abroad.</p> <p>Explore Campus Resources for academic and personal support.</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>Explore next steps including potential graduate programs.</p> <p>Complement your degree with a micro credential from Alkek One.</p> <p>Complete a capstone project related to major.</p> <p>Create and update a digital portfolio of academic work and experiences.</p>
EXPAND your personal and social development	<p>Review your degree plan for courses that include the Service-Learning Excellence program.</p> <p>Begin expanding your student experience by joining a student organization through the Bobcat Organization HUB.</p>	<p>Consult your academic advisor and learn about scholarship opportunities.</p> <p>Meet with an advisor in Education Abroad or Study in America to explore financial aid options toward learning in an international or national setting.</p> <p>Expand your leadership skills through Student Involvement's Leadership & Service programming and workshops.</p> <p>Join engineering student organizations and collaborate on faculty-led research. Explore Ingram Hall Makerspace (ISoE) to apply your skills and bring ideas to life.</p> <p>Participate in The Big Event to give back to the regional community.</p>	<p>Select a service activity through Student Involvement to give back to the area community.</p> <p>Participate in Senior Design Day to showcase your skills.</p> <p>Attend a Student Government Senate meeting to contribute to the TXST community.</p> <p>Seek out a leadership role with the Leadership & Service.</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>Attend an IDEA Center workshop to learn more about undergraduate research.</p> <p>Consider the STEM Communities Learning Assistance program.</p>	<p>Learn about Global Career Accelerator options that give you experience with global companies and in-demand tech skills.</p> <p>Consider the Cooperative Education program to gain valuable real-world experience.</p> <p>Discover Global Online Learning Experiences for courses with culturally dynamic perspectives.</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>Deliver a presentation in a student conference, workshop, seminar or community organization.</p> <p>Consider adding a skill from the TXST Coursera Career Academy.</p>
ELEVATE your career and professional life	<p>Complete your Career Assessments, such as Focus2.</p> <p>Create your Handshake profile.</p> <p>Create your LinkedIn profile and connect with colleagues and leaders.</p> <p>Develop and review your resume with 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>Prepare to ace your job interviews Career Services or your academic department.</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> <p>Identify faculty and professional references.</p>

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 technology-enhanced 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