EXPERIENTIAL MAJOR MAP

Construction Science and Management | Bachelor's Degree

TEXAS STATE UNIVERSITY

	FIRST YEAR	MIDDLE YEARS	LAST YEARS
ADVANCE your academic journey	Meet with a First Year Advisor to develop your academic planning. Participate in the Experiential Education Certificate Program.	Schedule appointments with the COSE Advising Center and follow registration instructions for course guidance. Regularly check the curricula and flowchart pre-requisites and co-requisites for courses may change over time. 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. Consult your academic advisor and learn about scholarship opportunities. Explore Campus Resources for academic and personal support.	Check your Degree Audit & meet with your academic advisor. Explore next steps including potential graduate programs. Complement your degree with a micro credential. Complete a capstone project related to major. 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 Service-Learning Excellence program. Begin expanding your student experience by joining a student organization through the Bobcat Organization HUB.	Expand your leadership skills through membership in Department of Engineering Technology student organizations. Meet with an advisor in Education Abroad or Study in America to explore financial aid options toward learning in an international or national setting. Discover Global Online Learning Experiences for courses with culturally dynamic perspectives. Explore external scholarship opportunities such as the Fulbright Scholarship to take your expertise to unique locations abroad. Participate in The Big Event to give back to the regional community.	Join your peers in making a difference for the local community with the Construction Student Association. Select a service activity through Student Involvement to give back to the area community. Participate in Senior Design Day to showcase your skills.
ENRICH your practical competence	Explore the TXST One Stop for more information about the scholarships provided to new and continuing students. Attend an IDEA Center workshop to learn more about undergraduate research. Consider the STEM Communities Learning Assistance program.	Learn the Department of Engineering Technology internship course requirements and plan your successful participation. Learn about Global Career Accelerator options that give you experience with global companies and in-demand tech skills. Check out the National Science Foundation (NSF) Research Experiences for Undergraduates (REU) Summer Program.	Explore Undergraduate Research Opportunities to gain hands-on experience and build research skills alongside faculty mentors. Join a professional organization in your major or passion. Deliver a presentation in a student conference, workshop, seminar or community organization.
ELEVATE your career and professional life	Complete your Career Assessments, such as Focus2 Create your Handshake profile Create your LinkedIn profile and connect with colleagues and leaders Develop and review your resume with Career Services	Build Career & Graduate School Fairs into your schedule to ensure your connection maximum opportunities. Join Employer Information Sessions at Career Services or your department. Prepare to ace your job interviews with Career Services or your academic department.	Develop a full-time employment or graduate school plan with Career Services. Complete your First Destination Survey to share your post-graduation plans. Identify faculty and professional references.

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OUTCOMES

Marketable Skills

Think critically

Analyze and solve problems

Communicate clearly and effectively

Analyze and interpret complex residential and commercial construction plans and specifications

Apply sustainable building practices to construction projects

Assess risks associated with construction contracts

See more marketable skills for this major

Career Opportunities

Construction manager
Project estimator
Site engineer
Contract administrator
Health and Safety manager
Sustainability consultant
Quality assurance
Quality control (QA/QC) specialist
Construction consultant
Facility manager
Preconstruction services
Owner's project management representative
Building information modeler
Scheduler and logistics coordinator
Construction finance and accounting
Site superintendent

Experiences in Construction Science and Management

The bachelor of science major in construction science and management combines foundational courses in the construction sciences with an 18-hour business administration minor. Coursework develops skill in advanced project management principles and practices, critical thinking and creativity, and complex problem solving and decision making in construction projects. A highly successful internship connecting students to industry job sites is required for the program, where students develop professional awareness and expertise. Senior design or "capstone" activities incorporate appropriate engineering standards and multiple constraints and is based on knowledge and skills acquired in earlier course work. Membership in student organizations, research initiatives and opportunities to apply for nationally recognized service activities contribute to their experience.