

Physics | Bachelor's Degree

	FIRST YEAR	MIDDLE YEARS	LAST YEARS
ADVANCE your academic journey	<p>Meet with your COSE Academic Advisor to develop your academic plan.</p> <p>Take advantage of COSE Virtual Express advising.</p> <p>Visit TXST One Stop or BOSS for scholarship opportunities.</p> <p>Explore majors with a MyMajors assessment.</p>	<p>Schedule appointments with the COSE Advising Center and follow registration instructions for course guidance.</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>Explore external scholarship opportunities such as the Fulbright Scholarship to take your expertise to unique locations abroad.</p> <p>Regularly check the curricula and flowchart pre-requisites and co-requisites for courses may change over time.</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>Meet with a faculty mentor or peer advisor.</p> <p>Complete a capstone project related to major.</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>Join science and engineering student organizations or clubs to connect with others majoring within the college.</p>	<p>Consult your academic advisor and learn about physics scholarship opportunities.</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>Participate in Women in STEM initiatives and the Houston-Louis Stokes STEM Pathways and Research Alliance (H-LSAMP).</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>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>Visit the Physics Study Center and SLAC for help with homework or other course related material.</p> <p>Get internship guidance and report your internship offers to Career Services.</p> <p>Check out the National Science Foundation (NSF) Research Experiences for Undergraduates (REU) Summer Program.</p>	<p>Explore Undergraduate Research Opportunities to gain hands-on experience and build research skills alongside faculty mentors.</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>Develop your resume with the help of the professionals at Career Services.</p> <p>Report your internship offers to 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>Attend employer info sessions at Career Services.</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

Ability to synthesize and disseminate complex information and apply it to new contexts

Ability to find solutions to problems and justify them

Ability to respond appropriately to constructive feedback

Ability to collaborate on projects

Ability to identify goals/tasks and create a realistic timeline for completion

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

Experiences in Physics

The bachelor's degree with major in physics addresses the science from essential perspectives: scales from the universe; star and planet formation to black holes, subatomic matter; atom-atom interactions, and the construction of new constituent forms of matter. Dedicated faculty work closely with students to conduct research across this entire scale using modern research facilities both within the department and professionally staffed shared-user laboratories, including the James Webb Space Telescope, to provide hands-on training and meaningful experiences for students. The bachelor of arts curriculum requires courses in modern languages. The bachelor of science is differentiated by additional focus on math, physics and an optional concentration in astronomy. An optional double major with teacher certification grades seven through twelve is available. Options are available to engage in internships for professional development, Education Abroad or Study in America for international or national cultural enrichment, and membership in student organizations for networking with peers.

Career Opportunities

Science teacher

Forensic scientist

Professor

Data analyst

Research analyst

Design engineer

Systems analyst

Research engineer

Meteorologist

Research scientist

Technical writer