

# Physics | Bachelor's Degree

	FIRST YEAR	MIDDLE YEARS	LAST YEARS
<b>ADVANCE</b> your academic journey	<p>Meet with a <a href="#">First Year Advisor</a> to develop your academic planning.</p> <p>Participate in the <a href="#">Experiential Education Certificate</a> Program.</p> <p>Visit <a href="#">TXST One Stop</a> or <a href="#">BOSS</a> for scholarship opportunities.</p>	<p>Schedule appointments with the COSE <a href="#">Advising Center</a> and follow registration instructions for course guidance.</p> <p>Check out the <a href="#">Collaborative Learning Center's (CLC) computer lab</a>, 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 <a href="#">Fulbright</a> Scholarship to take your expertise to unique locations abroad.</p> <p>Regularly check the <a href="#">curricula and flowchart</a> pre-requisites and co-requisites for courses may change over time.</p>	<p>Check your Degree Audit &amp; meet with your academic advisor.</p> <p>Explore next steps including potential graduate programs.</p> <p>Complement your degree with a <a href="#">micro credential</a></p> <p>Meet with a faculty mentor or peer advisor.</p> <p>Complete a capstone project related to major.</p>
<b>EXPAND</b> your personal and social development	<p>Review your degree plan for courses that include the <a href="#">Service-Learning Excellence</a> program.</p> <p>Begin expanding your student experience by joining a student organization through the <a href="#">Bobcat Organization HUB</a>.</p> <p>Join <a href="#">science and engineering student organizations or clubs</a> to connect with others majoring within the college.</p>	<p>Consult your academic advisor and learn about <a href="#">physics scholarship opportunities</a>.</p> <p>Meet with an advisor in <a href="#">Education Abroad</a> or <a href="#">Study in America</a> to explore financial aid options.</p> <p>Discover <a href="#">Global Online Learning Experiences</a> for courses with culturally dynamic perspectives.</p> <p>Participate in <a href="#">Women in STEM initiatives</a> and the <a href="#">Houston-Louis Stokes STEM Pathways and Research Alliance (H-LSAMP)</a>.</p>	<p>Select a service activity through <a href="#">Student Involvement</a> to give back to the area community.</p> <p>Seek out a leadership role with the <a href="#">Leadership &amp; Service</a>.</p> <p>Attend a <a href="#">Student Government</a> Senate meeting to contribute to your fellow students and your own student experience.</p>
<b>ENRICH</b> your practical competence	<p>Explore the <a href="#">TXST One Stop</a> for more information about the scholarships provided to new and continuing students.</p> <p>Attend an <a href="#">IDEA Center</a> workshop to learn more about undergraduate research.</p> <p>Consider the <a href="#">STEM Communities Learning Assistance</a> program.</p>	<p>Learn about <a href="#">Global Career Accelerator</a> options that give you experience with global companies and in-demand tech skills.</p> <p>Visit the <a href="#">Physics Study Center</a> and <a href="#">SLAC</a> for help with homework or other course related material.</p> <p>Get internship guidance and report your internship offers to <a href="#">Career Services</a>.</p> <p>Check out the <a href="#">National Science Foundation (NSF) Research Experiences for Undergraduates (REU) Summer Program</a>.</p>	<p>Explore <a href="#">Undergraduate Research Opportunities</a> 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>
<b>ELEVATE</b> your career and professional life	<p>Complete your <a href="#">Career Assessments</a>, such as Focus2.</p> <p>Create your <a href="#">Handshake</a> profile.</p> <p>Create your <a href="#">LinkedIn</a> profile and connect with colleagues and leaders.</p> <p>Develop and review your <a href="#">resume</a> with Career Services.</p>	<p>Develop your <a href="#">resume</a> with the help of the professionals at <a href="#">Career Services</a>.</p> <p>Report your internship offers to <a href="#">Career Services</a>.</p> <p>Build <a href="#">Career &amp; Graduate School Fairs</a> into your schedule to ensure your connection maximum opportunities.</p> <p>Join <a href="#">Employer Information Sessions</a> at Career Services or your department.</p> <p>Prepare to <a href="#">ace your job interviews</a> with Career Services or your academic department.</p>	<p>Attend <a href="#">employer info sessions</a> at Career Services.</p> <p>Develop a full-time employment or graduate school plan with <a href="#">Career Services</a>.</p> <p>Complete your <a href="#">First Destination Survey</a> 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