My time spent in the Texas State graduate physics program has provided me with the challenges, opportunities and connections to be hired by a top-tier company and compete with the nation’s best engineers.

– Maclyn Compton, Intel

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Students are trained to be problem solvers and are prepared to apply their scientific knowledge to real-world situations.
Why choose Texas State?
A solid physics foundation combined with extensive, hands-on training in state-of-the-art nanofabrication and characterization facilities prepares students for careers in the local high-tech industry, science education or advanced studies. Students are engaged in research and gain superior graduate education with individual faculty attention and mentoring.

Faculty
Physics faculty are engaged in externally funded, competitive, interdisciplinary research in condensed matter physics, physics education and astronomy. Our students’ research has the potential to change the world. Federal, state and private organizations have supported this research with an especially strong emphasis on materials physics and nanotechnology with applications in semiconductor and oxide optoelectronic devices, solar cells and energy harvesting, and physics education research.

Graduate students perform competitive, relevant research in a welcoming, supportive and diverse environment with an emphasis on developing professional abilities such as teamwork, project organization, and presentation and technical writing skills.

Course Work
Students complete a 30-hour thesis program focusing on research in experimental condensed matter physics, physics education or astronomy. Students may also opt for the 36-hour-non-thesis program. Both options require core courses and electives educating students in advanced physics through a rigorous curriculum that includes cutting-edge, hands-on training. A new materials physics concentration for the thesis option offers a strong opportunity for research in nanotechnology and applied physics.

Career Options
Physics graduates find careers in the local or national high-tech and semiconductor industry, in K-14 physics education or pursue advanced degrees. Master’s degree graduates have the option to continue to an innovative, multidisciplinary Ph.D. program in Materials Science, Engineering and Commercialization offered at Texas State University.