

Why Physics?

If you look at the universe and wonder “why,” you are thinking like a physicist! Physics students are trained to be critical thinkers and problem solvers, and physics graduates are in high demand in technical and engineering fields. Physics majors also score in the top percentile on the MCAT and LSAT. Those students who pursue graduate study after their bachelor’s find jobs in academia, national research laboratories, and industry all over the globe and enjoy some of the highest entry-level salaries.

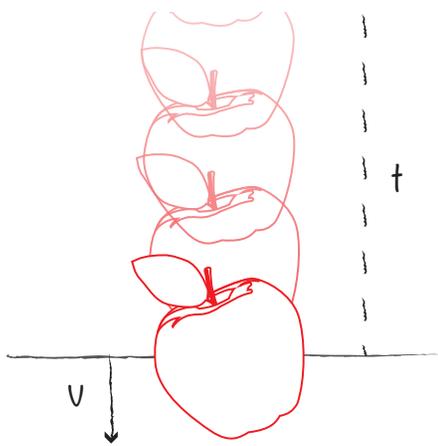
Why Texas Tech?

The Department of Physics & Astronomy at Texas Tech has a superlative student-faculty ratio, and our majors receive an exceptional level of personal attention. We offer small sections of introductory physics courses that are restricted to our majors, making it possible for our students to receive individualized and in-depth instruction even at the very beginning of their education. Our students are taught by professors rather than graduate students! At the same time, the Physics & Astronomy faculty are remarkably active, engaging in cutting-edge research in almost all major fields of physics. Undergraduate participation in research is strongly encouraged, and students find that the experience they gain as researchers makes them competitive applicants for jobs and graduate school.

What Do Our Majors Do After Graduation?

Graduates of our bachelor’s program go on to have successful careers in academia, industry, and the public sector. Alumni of the Texas Tech Physics & Astronomy undergraduate program are currently hard at work at the following companies and organizations:

- Intel
- Amazon
- Apple
- Pantex Plant
- Los Alamos National Lab
- Sandia National Laboratories
- NASA
- ...and many more!



Departmental Scholarships

The Department of Physics & Astronomy is fortunate to have several endowed scholarships specifically for our majors. Each spring the department awards between \$45k and \$50k in scholarship money to deserving students. To read more about our scholarships, please visit our scholarship web page:

http://www.depts.ttu.edu/phas/Academics/Graduate_Program/Dept_Scholarships.php

Find out more!

To learn more about our undergraduate program, faculty, and research and to download a copy of our undergraduate handbook, please visit our department’s website:

<http://www.depts.ttu.edu/phas/>

Or like us on Facebook:

TTU Physics Undergraduate Programs

Or follow us on Twitter:

@TechPhysics

You are also welcome to contact the Director of Undergraduate Programs or the department’s Academic Advisor. Please see our advising page for contact information:

http://www.depts.ttu.edu/phas/Academics/Undergraduate_Program/Advisors.php



TEXAS TECH UNIVERSITY

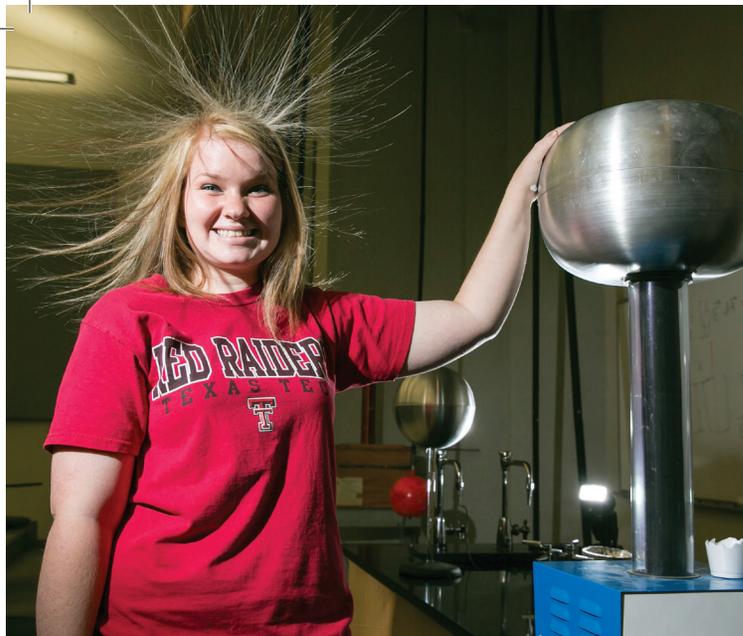
Department of Physics & Astronomy

WWW.DEPTS.TTU.EDU/PHAS

A large banner for the Department of Physics & Astronomy. It features the Texas Tech University logo in the top left corner. The background is black with white and red lines representing orbits and a Bohr model of an atom. A spiral galaxy is visible in the top right. The text 'DEPARTMENT of Physics & Astronomy' is written in white, with 'Physics & Astronomy' in a larger font. At the bottom, it says 'All the individual attention of a small college with the resources of a tier-one research university.'

DEPARTMENT
of
**Physics &
Astronomy**

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Three Concentrations, Infinite Career Paths

At Texas Tech we realize that students have a wide variety of career goals. To that end, we have developed a flexible Bachelor of Science program with three different concentrations to choose from—designed to allow our students to explore their specific interests. Read more about our concentrations at right.

- Professional
- Applied Physics
- Astrophysics

Student Involvement

At Texas Tech the Society of Physics Students (SPS) is one of the most active student organizations on campus! SPS hosts and subsidizes movie nights, bowling nights, and star parties at observatories for its enthusiastic members, and joining SPS is a great way to network, form study groups, gain leadership experience, and develop research collaborations. You can follow SPS on Facebook (Texas Tech Society of Physics Students) and Twitter @TexasTechSPS

Many of our physics majors excel in their undergraduate studies and join Sigma Pi Sigma, the physics honor society, and the American Physical Society (APS).

Professional CONCENTRATION

This is the ideal concentration for students who want to study physics at the graduate level after earning their bachelor's. The professional curriculum exposes students to many areas of physics and is highly rigorous, ensuring that the students who choose it are well-prepared for postgraduate study or work in a scientific setting.

Astrophysics CONCENTRATION

The most popular physics concentration at Texas Tech, the astrophysics concentration is designed for students with a special interest in astronomy and astrophysics. The coursework for the astrophysics concentration is observational as well as theoretical, and its students delve into the mysteries of the cosmos, exploring topics like black holes and dark matter. Furthermore, all students in the astrophysics concentration undertake research with the department's renowned astrophysicists during their time at Texas Tech, making these students well-prepared for careers or postgraduate study in this fascinating field.

Applied Physics CONCENTRATION

This concentration is intended for those students who have a special interest in engineering or other fields of applied physics. In addition to taking many of the same courses as students in the professional concentration, applied physics students take a number of elective courses in fields like geophysics, wind energy, and electrical and computer engineering. The applied physics concentration provides the best preparation for postgraduate study in fields other than physics and employment in more applied fields.

HOW WE ROLL

