



SHSU KATFACTS

BEST
COLLEGES
..... FOR THE
MONEY

OVER
EIGHTY
UNDERGRADUATE
DEGREES & COUNTING

FACULTY
--- TO ---
STUDENT
RATIO
1:25

MORE THAN
230
STUDENT
ORGANIZATIONS

COMMUNITY ENGAGED
UNIVERSITY

Professional organizations related to physics:

- American Association of Physics Teachers (AAPT)
- American Astronomical Society (AAS)
- American Institute of Physics (AIP)
- American Physical Society (APS)
- Institute of Physics (IP)

Sam Houston State University

Department of Physics
Box 2267 | Huntsville, TX 77341-2267

shsu.edu/see/physics

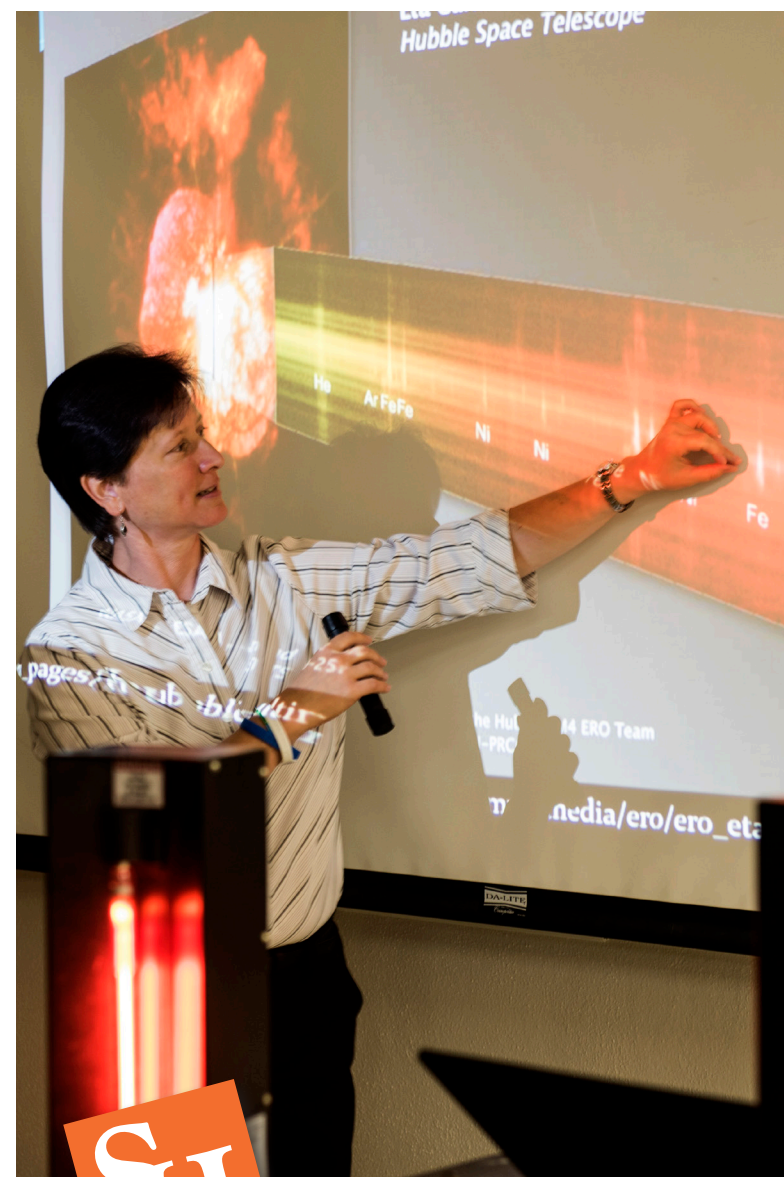
1-866-BEARKAT



PHYSICS

Bachelor of Science

College of Science and Engineering Technology



shsu.edu/see/physics

SAM HOUSTON STATE UNIVERSITY

MEMBER THE TEXAS STATE UNIVERSITY SYSTEM



PHYSICS

*Understanding & Harnessing
Nature*

shsu.edu/see/physics

TOP FIVE CAREER SETTINGS FOR PHYSICS MAJORS

1. Engineering Firms
2. Schools, Colleges, and Universities
3. Government Agencies
4. Industry
5. Nonprofit Research Centers



A BACHELOR'S DEGREE IN *PHYSICS*

In the physics and pre-engineering program at Sam Houston State University (SHSU), you will work closely with a caring and technically proficient faculty to become a strong candidate for real-world employment or for admission to graduate study at the master's or doctoral level. We provide valuable hands-on research experience, mentored by a diverse team of specialists in the fields of Experimental (Lithium-Ion Batteries, Superconductors, Exotic Molecular Materials), Theoretical (Quantum Hall Effect, Particle Phenomenology beyond Standard Model, Neutrino Scattering), Computational (Numerical Analysis of Entangled Quantum Systems, Hadron Collider Simulation), and Astro (Observational Stellar Spectroscopy, Popular Science Writing, Methods of Astronomy Education) Physics.

REQUIREMENTS

All physics majors or pre-engineering students must complete the "Physics Bootcamp" course during their first semester to gain a strong foundation in the mathematics that will be required for the degrees offered.

Minors: The curriculum for the Bachelor of Science in physics includes the hours necessary for a minor in mathematics.

SCHOLARSHIPS ENGINEERING OPTIONS

Students may apply for physics scholarships and non-degree specific scholarships by completing the Scholarships4Kats online application. Transfer scholarships are available for students who would like to continue their academic career at Sam Houston. SHSU provides a quality education at an affordable cost.

In addition to the bachelor's degree in physics, students interested in engineering have several attractive options to choose from.

- The two-year program provides essential prerequisites for transfer to a college of engineering.
- The "3/2" dual degree program stipulates an additional third year of intensive physics study at SHSU prior to transferring out; upon completion of an accredited engineering degree program (normally a two-year commitment), all credits are retroactively transferred back to SHSU for the immediate award of a second degree in physics.
- Alternately, graduates with a four-year physics degree from SHSU may be accepted into various master's programs in engineering.