why SHSU?

This is a university that thinks big but feels small. With a student population of over 19,000, SHSU prides itself with creating a close community. Current students and alumni alike attest to the warm, supportive environment found all over the SHSU campus. Faculty members are more than professors—they are mentors, advisors, informal tutors, and personal links to great career connections.

Sam Houston State University has something—and then some—for everyone. No matter where you look, you will find ways to have fun, make great friends, enjoy the arts, serve others, and challenge yourself.

An education from Sam Houston State University prepares graduates to be a vital part of the world. It gives them the theoretical and practical knowledge to understand and solve challenges. It equips them with the experience and confidence to become effective leaders. It develops in them a heart for service to their communities. It gives them the tools they need to have an impact—as new graduates and for the rest of their lives.

There are many ways to learn more about Sam Houston State University, but the best way is to come visit campus and experience it for yourself.

Geology

Why Geology at SHSU?

The Bachelor of Science in geology from Sam Houston State University offers students two degree options, hands-on lab and field work experience, and research opportunities.

Geologists strive to understand the composition, structure, properties, and processes that shaped (and continue to shape) our planet and its inhabitants from both physical and historical perspectives.

The Bachelor of Science in geology from Sam Houston State University offers students two degree options, hands-on lab and field work experience, and research opportunities.
Geology Bachelor’s Degree

Rock Your World

Geology is the ultimate integrated science because all of the principles and methods of the other sciences, as well as geologic principles and methods, are applied to an understanding of the earth. Geologists study rocks, of course, but they study them from the context of providing information that may eventually be used to forecast earthquakes, volcanic eruptions, and other geological hazards. The information obtained may also be applied to help geologists locate various natural resources. Therefore, geology serves to enhance human existence by attempting to reduce risk and by providing the materials necessary for the expansion of civilization.

Geology majors generally pursue careers in the environmental industry, the petroleum industry, or education.

Scholarships

Students may apply for geology scholarships and non-degree specific scholarships by completing the ScholarX 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.

COURSEWORK

The Bachelor of Science in geology is designed for students seeking a position in industry or planning to attend graduate school upon graduation. The geoscience plan of the geology degree is designed for students with a general interest in geology. Each option is designed to provide an education in the fundamentals of geology. The required geology courses will give the student an understanding of the earth and will provide an opportunity to observe, investigate, analyze, and interpret geological materials, processes, and structures.

The department places considerable emphasis on the integration of lab-based analytical science with similarly rigorous analysis conducted by means of field work. In support, the department maintains a range of field and laboratory equipment including a Mackereth coring system, a vibracorer, a research flume, a portable XRF, plus a variety of GPS and GIS-linked surveying equipment. Many of our students obtain internships and work with faculty members on research projects.