



Explore Your Future In
**Engineering Technology with a
Concentration in Environmental, Health,
and Safety Management, BS
At Sam Houston State University**

shsu.edu/etec | engrtech@shsu.edu | 936.294.1223

The concentration in environmental, health and safety management provides knowledge and proficiency for students to make workplaces safer and to address hazardous situations and emergency events. Through hands-on assignments, students will be equipped with the knowledge needed to anticipate, recognize and evaluate potential hazards and enhance workplace safety.



*Scan for information on the BS in engineering technology with
a concentration in environmental, health, and safety management.*



Sam Houston State University
MEMBER THE TEXAS STATE UNIVERSITY SYSTEM

Program Educational Objectives

- Apply concepts of safety and risk management to prioritize resources, reduce costs and minimize occupational hazards.
- Anticipate, recognize, evaluate, and control the hazardous conditions that affect work environments.
- Demonstrate safety leadership skills, teamwork, and effective communication skills.
- Identify and apply applicable safety standards, regulations, and codes like OSHA, EPA, and DOT in industrial settings.

Student Outcomes

- Ability to recognize and evaluate hazards and apply controls for hazardous conditions in the workplace.
- Ability to utilize risk management concepts and techniques to prioritize resources and minimize risks in the workplace.
- Utilize necessary skills and techniques to develop and evaluate industrial training programs and policies.
- Identify and apply applicable standards, regulations, and codes like OSHA, EPA, and DOT in an industrial setting.



Careers

Construction
Manufacturing
Oil/Gas
Technology
Agriculture & Forestry
Mining
Insurance
Engineering
Environmental & Health



"In the ever-growing world of engineering – SHSU found a way to make its program unique to the students.

My professors were huge advocates in my journey and never failed to answer a call, even after I graduated. I was provided with resources, opportunities, and funding from the ETEC department to pursue the career I currently have.

The experience I had at SHSU was one-of-a-kind and in many ways thanks to the ETEC department."

- Shani Gomez, Associate Safety Professional (ASP)

Fred Pirkle Engineering Technology Center

The Fred Pirkle Engineering Technology Center is an innovative learning center that houses state of the art classrooms, specialized laboratories, and faculty and staff offices for two departments. The center is named after the inventor and SHSU alumnus Mr. Fred Pirkle, who set aside \$10 million out of his \$25 million gift to SHSU to construct this learning facility.

Fred Pirkle Scholarship Endowment

To be eligible for this scholarship, students must be enrolled as a full-time undergraduate or graduate student majoring in engineering technology.



Scan for more Department of Engineering Technology scholarships.

#1

**Top Performers on
Social Mobility**

*U.S. News and World
Report 2022*

#6

**Best Texas Colleges and
Universities 2022**

*U.S. News and World
Report 2022*

HSI

**Federally Designated as a
Hispanic Serving Institute**

24:1

Student to Faculty Ratio