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.
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.

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

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.