Online Assessment Tracking Database

Sam Houston State University (SHSU)
2014 - 2015

Engineering Technology BS

Goal **Develop Knowledge And Safety Skills**

Students will develop knowledge and safety skills relevant to EngineeringTechnology.

Objective (L) **Development Of Students' Knowledge And Skills**

Students will be able to demonstrate competency in key areas of engineering technology by passing the OSHA Safety Course and receive OSHA Certification. The OSHA Certification serves as a capstone requirement. The test is administered by an outside agency.

Indicator **ITEC 4382 OSHA Certification**

All students enrolled in the program must complete ITEC 4382 and receive their OSHA Certification in Safety. The course addresses key concepts and skills relevant to safety in the field of Industrial Technology. Each semester all students are required to take the OSHA Certification examination as the capstone activity for the course. The cortication exam is divided into multiple sections, however, an overall passing grade of 70% or higher is passing.

Criterion **100% Certification Rate**

There is a consensus that at least 80% of the students taking the OSHA examination will make a 90 or higher on the exam, while, 100% will be certified by making a score of 70 or higher. A score of 90 or higher indicates comprehension of key concepts and elements of safety management and managing risk.

Finding **Completion**

All 27 students completed the examination and scored 70% or higher, thus, receiving certification. However, only 7% of the students scored 90 or higher.

Action **Learning Modificaiton**

Students will be given more examples of fall hazards and receive additional similations of assist in risk management.

Goal **Develop Professional Skills**

Students will learn the skills necessary to compete in the professional marketplace.

Objective (L) **Demonstrate Professional Skills**

Students completing the BS in Engineering Technology will gain experiental learning and field experience in the industry through an internship necessary to successfully gain employment.

Indicator

ITEC 4391 Internship Evaluation

All students enrolled in the program must complete ITEC 4391 in their final year of enrollment. ITEC 4391 addresses key concepts and skills, as well as practical demonstrations of competency relevant to the field of engineering technology. Each semester interns will be evaluated by their internship supervisor and by their faculty supervisor on a faculty-developed rating scale.

Criterion

85% Meeting Expectations

There will be a general consensus among ETEC Faculty members that at least 85% of the students enrolled in ITEC 4391 demonstrate an above average (4.0 or higher) level of performance on the rating scales.

Finding

Outcome Assessment

All students successfully completed their internship with assessed skill levels from the supervisor of 4 or 5. According to the supervisor, the interns were professional with exceptional work ethics and skill sets. Skill levels met or exceeded the expectations of the job requirement. Surveying skills was an area that few supervisors would like to see included in the curriculum.

Action

Student Performance

Survey course will be included in curriculum if faculty is identified to teach concepts.

Previous Cycle's "Plan for Continuous Improvement"

More time and simulations will be used to increase student performance in Health and Fall Hazards in construction areas.

Please detail the elements of your previous "Plan for Continuous Improvement" that were implemented. If elements were not implemented please explain why, along with any contextual challenges you may have faced that prevented their implementation.

Simulations were for fall hazards improved scores, however more will assist with risk management.

Plan for Continuous Improvement - Please detail your plan for improvement that you have developed based on what you learned from your 2014 - 2015 Cycle Findings.

Survey course is to be included in 2015-2016 curriculum if new ETEC faculty is hired.