UNIT REPORT

Electronics and Computer Engineering Technology BS
Assessment Plan Summary

Electronics and Computer Engineering Technology BS

Develop Knowledge And Skills

Goal Description:

Students will develop knowledge and understanding of key concepts and skills relevant to Electronics and Computer ET.

RELATED ITEMS/ELEMENTS

RELATED ITEM LEVEL 1

Development Of Students' Knowledge And Skill

Learning Objective Description:

Students will be able to demonstrate competency in key areas of Electronics and Computer ET.

RELATED ITEM LEVEL 2

Advanced Electronics Capstone Course

Indicator Description:

The Electronics and Computer Technology degree is a relatively new degree program. An advanced electronic capstone course is being planned to evaluate student learning as the program develops. As students select and matriculate through this program, all students will eventually complete the Advanced Electronics capstone course in their final year of enrollment. The course will address key concepts and skills relevant to the field of electronics. It is currently projected that each semester seven randomly selected student assignments from the course will be reviewed by faculty members with expertise in the field. Faculty members will score the assignments using a scale of 1 - 5 with 5 being the highest. The proposed rubric is attached.

Attached Files

Proposed Advanced Electronics Capstone Rubric

Criterion Description:

Currently, ETEC Faculty members desire that at least 80% of the students enrolled in an advanced electronic capstone course will perform at an acceptable level with a score of 4 (exceeds standards) or higher. This standard will be reviewed/evaluated as the first student cohorts move through the program.

Findings Description:

N/A. Since this is a new program, the capstone course is being developed for students who will choose this academic plan.

RELATED ITEM LEVEL 3

Development of Students' Knowledge and Skill

Action Description:

As a newly developed capstone design project course for Electronics and Computer Technology students, this course address key concepts and skills relevant to the field of electronics. We currently don't have a class to assess the criterion description of at least 80% of the students will perform at an acceptable level of a score of four or higher. We will continue monitoring student performance as the assessment data is available to ensure that the students are well prepared to enter the marketplace.

Update to Previous Cycle's Plan for Continuous Improvement

Previous Cycle's Plan For Continuous Improvement (Do Not Modify):

No data to assess, program accepted students in fall 2014.

Update of Progress to the Previous Cycle's PCI:

As noted in another section of this report, the Electronics and Computer Technology degree is a relatively new degree program. An advanced electronic capstone course is being planned to evaluate student learning as the program develops. Once the capstone course is developed, once it is approved and once the first student cohort matriculates through the course, the ETEC faculty will have an opportunity to assess student learning and whether adjustments need to be made to the program.

Monitoring market place, skills, and content knowledge

Closing Summary:

We will continue to develop the course to include design projects from industries with practical applications, from faculty research projects, and other sources with appropriate components justifying the course requirements and meeting or exceeding the criterion description.