

# **Civil and Construction Engineering Technology**

## **Mission**

To prepare men and women for productive and rewarding careers in the broad design/construct/maintenance arena through implementation of sound curricula and practical co-operative education experience in viable settings.

This mission requires that the faculty remain abreast of theory, application and industrial developments, through leadership in research and publication, through engaging the work and ideas of other educators and practitioners.

## **Program Educational Objectives**

The Construction Science Department has established the following program educational objectives for the associate degree in Civil and Construction Engineering Technology (AS CCET).

The primary educational objective of the associate degree program in Civil and Construction Engineering Technology is to prepare graduates for transition into the Construction Management program, and design/consult practices.

## **Program Outcomes**

All graduates of the Civil and Construction Engineering Technology Program must demonstrate the following:

- a.) An appropriate mastery of the knowledge, techniques, skills and modern tools of their disciplines.
- b.) An ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering and technology
- c.) An ability to conduct, analyze and interpret experiments and apply experimental results to improve processes
- d.) An ability to apply creativity in the design of systems, components or processes appropriate to program objectives
- e.) An ability to function effectively on teams
- f.) An ability to identify, analyze and solve technical problems
- g.) An ability to communicate effectively
- h.) A recognition of the need for, and an ability to engage in lifelong learning
- i.) An ability to understand professional, ethical and social responsibilities
- j.) A respect for diversity and a knowledge of contemporary professional, societal and global issues
- k.) A commitment to quality, timeliness, and continuous improvement.