

Construction Management Technology
Division of Engineering Technology
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Executive Summary (full report available upon request)

The following table shows the assessment methods used and numbers of individuals assessed for the degree programs offered by the Department of Construction Management Technology.

Assessment Methods Used	Number
Exit surveys of graduates for F02 (11) & S03 (18) semesters	29
Course evaluations for F02 semester; S03 data not available	297
Employer reviews of student performance in internships, Sum 02	40
AIC Graduate Placement Surveys for F02 & S03 semesters	28
National CQE Level I for F02 semester; S03 data not available	15
ASC/AGC and NAHB Student Competitions, S03	24
Alumni Telephone Survey by OUA, S02 (1996 & 2000 grads)	25

Analyses and Findings from program outcomes assessment:

Current graduates feel well prepared in most areas. Areas of weakness were noted. Course evaluations are excellent, indicating general satisfaction with the curriculum. Employers of graduates and student interns are very pleased with their attitudes, work ethic and job performance.

Placement is excellent and starting salaries are consistent with the national average. CQEI scores are below national averages. Areas of weakness were noted. Also, an exit survey indicated areas in which the students felt most and least prepared and whether they thought the exam was a fair measure of what entry-level Constructors should know.

Competition teams were again successful in our region – one team placed 1st, one placed 3rd, one placed 4th and one team placed 9th. One student placed 1st, one placed 2nd and one placed 3rd in the individual presenter categories. The 1st place team (Heavy-Civil) placed 2nd in the National Competition.

Recent graduates are satisfied with the preparation they received. Some graduates felt less than adequately prepared in a few areas.

Instructional changes that have occurred or are planned as a result of outcomes assessment:

Created a course in Construction Safety (CMT 4443)
 Combined Mechanical and Electrical Systems courses (CMT 3463) and added laboratory component
 Added a course containing an Advanced Surveying Module, an Equipment Management Module and a Scheduling Module (CMT 4783)
 Increased requirements for developing oral, written and graphic communication skills
 Created a Capstone Course (CMT 4293) with elements from the entire curriculum; continue to add emphasis in areas of deficiency as noted through our assessment program
 Added ACCT 2103 as an approved Business Elective for students on the older programs
 Continued revision of the Computer Estimating course (CMT 4273)

Course Actions Recently Approved: (these changes will be reflected in the Degree Requirements for freshmen entering the program in Fall 2001 and later)

ACCT 2103 is now a required course.
 CMT will add an "in-house" construction scheduling course.
 Many prerequisites have been modified to insure students have adequate preparation for the advanced courses.

Several courses will be modified to avoid duplication of content with other courses and to include topics felt to be lacking in the current courses.

Structural design courses (Timber, Formwork, Steel, Concrete) will be combined and modified to include construction emphasis.

Two internships are now required for all students on curriculum sheets dated Spring 2001 or later.

A new soils course, CMT 3734 – Soils in Construction Technology, covering topics of primary interest to construction professionals, was taught for the second time in Spring 2003, by a member of the CMT faculty. This course will be phased out next year, and selected topics will be included in CMT 3433 (see below).

A new course, CMT 3433 – Site Development, is being developed to alleviate some of the duplication noted in previous assessment efforts, and to introduce some new environmental topics that have recently become important to the construction industry.