

Information Obtained from Assessment Measures: (2016-2017)

4.1 Assessment Tools for the BS CMGT Degree Objectives

- 4.1.1 Students should be academically high achieving.
 - a. Measure: Average SAT and GPA of Lower Level CMGT courses each semester

- 4.1.2 Students should have members of under-represented groups.
 - a. Measure: Percentages of underrepresented groups each academic year

- 4.1.3 Provide a curriculum and educational experience relevant to a career in construction management with expert instruction that results in a high level of student learning.
 - a. ACCE accreditation every six years
 - b. Student Learning Outcome assessments
 - a. Direct Student Learning Outcome assessments through projects, assignments, and exams of Capstone, Project Management, and other courses - measured each semester by faculty
 - c. Number of Department students participating in competition teams annually
 - d. Number of courses with hands on experiments and/or demonstration of crafts work annually
 - e. Number of courses that effectively integrate technology to enhance the learning annually
 - f. Number of construction jobsite visits each semester
 - g. Graduating seniors exit survey each semester
 - a. Results
 - h. One and four year alumni survey annually
 - i. Employer survey annually

- 4.1.4 Provide diverse career opportunities for students
 - a. Measure: Percentage of placement rate within three months after graduation
 - b. Measure: Percentage of students complete an internship
 - c. Measure: Diversity of companies attending the career fair

- 4.1.5 Provide graduates for the construction industry
 - a. Measure: Upper division enrollment
 - b. Measure: Number of Fall and Spring graduates.

Undergraduate Program Implementation and Review 2016-2017				
Measures	Target	Person responsible for data collection	Results 2016-2017	Met / Not Met Goal
Average SAT score and GPA of Lower level CMGT courses	1100/3.0	Registrar	Fall 2016 SAT: 1031 GPA: 3.12 Spring 2017 SAT: 1038 GPA: 3.13	Not Met
Percentage of underrepresented groups	20%	Advising Center / Registrar	Fall 2016 11.24% Spring 2017 12.6%	Not Met
Direct Student Learning Outcome Assessments	At least 75% of class score "C" or above	Faculty	Documentation provided to faculty for revision and implementation into Fall 2017 classes	See Results Below
Number of CMGT students participating in competition teams annually	10	Faculty / CMGT Secretary-Student Admin.	8 - NAHB National Competition	Not Met
Number of courses with hands on experiments	4	Chair	5 (CMGT 2211, 2401, 2701, 2951, 3711)	Met
Number of courses that effectively integrate technology	6	Chair	7 (CMGT 2600, 3010, 4000, 4100, 4110, 4200, 4400)	Met
Number of construction site visits annually	8	Faculty	CMGT 2600 – 3 CMGT 3710 – 3 CMGT 4000 – 1 ECCA -1	Met
Graduating seniors exit survey (Knowledge, Skills, & Personal Growth)	90%	IPAR	Knowledge 72.5% Skills 73.33% Personal Growth 72.98%	Not Met
One and Four year alumni survey	3.5/5	Assessment Committee / IPAR	2013 (3.85/5.00) 2016 (3.78/5.00) Summer 2017	Met
Employer Survey (every year)	3.5/5	Assessment Committee / IPAR	4.0/5.0 Summer 2017	Met
Placement rate within 3 months after graduation	100%	CMGT 4400 / Career Services	Fall 2016 – 21/22 =95.4% Spring 2017– 42/42 = 100%	Not Met
Number of students	100%	CMGT Secretary-	100%	Met

Final Revised Results: August 21, 2017

completing an internship		Student Admin.		
Diversity of companies attending the Career Fair	Minimum of 5 for each major segment of the industry	Career Services	Commercial- 43.6% Residential- 18.3% Infrastructure- 18.3% Subcontractor- 8.4% Others- 11.3%	Met
Upper Division enrollment	250	Registrar	Fall 2016: 226 Spring 2017: 282 Average: 254	Met
Number of Graduates each semester	50	Registrar / CMGT Secretary- Student Admin.	Fall 2016 – 22 Spring 2017 – 42	Not Met

SLO Direct Assessment Results

1. Create written communications appropriate to the construction discipline.
Fall 2016 – **Criterion Not Met (One out of Five Assessments did not meet criterion for success)**
Spring 2017 – Criterion Met
2. Create oral presentations appropriate to the construction discipline.
Fall 2016 – Criterion Met
Spring 2017 – Criterion Met
3. Create a construction project safety plan.
Fall 2016 – **Criterion Not Met (Two out of Four Assessments did not meet criterion for success)**
Spring 2017 – Criterion Met
4. Create construction project cost estimates.
Fall 2016 – Criterion Met
Spring 2017 – Criterion Met
5. Create construction project schedules.
Fall 2016 – Criterion Met
Spring 2017 - **Criterion Not Met (One of Four Assessments did not meet criterion for success)**
6. Analyze professional decisions based on ethical principles.
Fall 2016 – Criterion Met
Spring 2017 – **Criterion Not Met (One of Two Assessments did not meet criterion for success)**
7. Analyze construction documents for planning and management of construction processes.
Fall 2016 – Criterion Met
Spring 2017 – Criterion Met
8. Analyze methods, materials, and equipment used to construct projects.

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- Fall 2016 – **Criterion Not Met (One of Six Assessments did not meet criterion for success)**
Spring 2017 - **Criterion Not Met (One of Six Assessments did not meet criterion for success)**
9. Apply construction management skills a member of a multi-disciplinary team.
Fall 2016 – Criterion Met
Spring 2017 – Criterion Met
10. Apply electronic-based technology to manage the construction process.
Fall 2016 – **Criterion Not Met (Five of Eight Assessments did not meet criterion for success)**
Spring 2017 - **Criterion Not Met (Two of Eight Assessments did not meet criterion for success)**
11. Apply basic surveying techniques for construction layout and control.
Fall 2016 – Criterion Met
Spring 2017 - **Criterion Not Met (Three of Four Assessments did not meet criterion for success)**
12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.
Fall 2016 – Criterion Met
Spring 2017 – Criterion Met
13. Understand construction risk management.
Fall 2016 – **Criterion Not Met (Two of Three Assessments did not meet criterion for success)**
Spring 2017 - **Criterion Not Met (Two of Three Assessments did not meet criterion for success)**
14. Understand construction accounting and cost control.
Fall 2016 – Criterion Met
Spring 2017 - **Criterion Not Met (One of Seven Assessments did not meet criterion for success)**
15. Understand construction quality assurance and control.
Fall 2016 – **Criterion Not Met (Three of Three Assessments did not meet criterion for success)**
Spring 2017 – Criterion Met
16. Understand construction project control processes.
Fall 2016 – **Criterion Not Met (One of One Assessment did not meet criterion for success)**
Spring 2017 - **Criterion Not Met (One of One Assessment did not meet criterion for success)**
17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.
Fall 2016 – **Criterion Not Met (One of Four Assessments did not meet criterion for success)**
Spring 2017 - **Criterion Not Met (Four of Four Assessments did not meet criterion for success)**

18. Understand the basic principles of sustainable construction.

Fall 2016 – Criterion Met

Spring 2017 – Criterion Met

19. Understand the basic principles of structural behavior.

Fall 2016 – **Criterion Not Met (Two of Four Assessments did not meet criterion for success)**

Spring 2017 - **Criterion Not Met (Four of Four Assessments did not meet criterion for success)**

20. Understand the basic principles of mechanical, electrical and piping systems.

Fall 2016 – Criterion Met

Spring 2017 - **Criterion Not Met (Two of Five Assessments did not meet criterion for success)**

Faculty have met and reviewed all assessment measures, making additions, deletions, and alterations as needed. Eight (8) SLOs (SLOs 1, 2, 4, 6, 7, 9, 13, and 14) were reviewed by the Assessment Committee, Faculty members, and the Industry Advisory Board to verify effectiveness of learning and assessment in the particular addressed classes. Adjustments have been made to classes to reflect the needed corrections. Each class SLO that is assessed addresses Actions Taken, Results, Analysis of Results, and Actions Planned for the Next Reporting Semester. This review provides more continual updating of class activities that require improvement.

SLO 16 is under review to implement an additional assessment measures.