



American Council for Construction Education

Progress Report Form Reference ACCE Document 101, Paragraph 6.3

Institution: Central Washington University

Program: Construction Management

Year Accredited: 2015 **Expiration Date:** 2021

Mentor Assigned: Yes No

Mentor Name: _____

Type of Report: 1st Yr
 2nd Yr
 3rd Yr

Other _____

Report Date: April 9, 2018

Summary Comments: (limit 1,600 characters)

The Construction Management program at Central Washington University was reaccredited in 2015. At that time no weaknesses were discovered and two concerns were identified. These concerns are addressed in this report. Since the program's reaccreditation many changes have occurred which include a reorganization of the course offerings, expanding and adding courses, and increasing the number of students accepted into the program. In 2016, the program was reorganized to allow additional offerings of courses and to expand the time duration students would spend on the professional side of the program. Since the program is a competitive program, students originally would apply in the fall and start the professional program in the winter. With the restructure of the program, students now apply during the spring quarter and then start the program in the fall. In addition to adjusting the application process, the program has also added two new courses CMGT 101 - Construction Management and the Built Environment and CMGT 201 - Computer Applications in Construction. The new program offerings can be found in the course catalog and are shown in the attachments to this report. This restructuring was also needed to help meet the new ACCE outcomes-based standards and provide greater flexibility for the program and student. The new program was implemented in AY 2017-2018.

Submitted by:	<u>P. Warren Plugge</u> Name -- Program Leader <u><i>P. Warren Plugge</i></u> Signature	<u>Coordinator</u> Title <u>4/15/2018</u> Date
Reviewed and Approved by:	<u>Dr. Paul Ballard</u> Name -- (Dean) <u><i>[Signature]</i></u> Signature	<u>Dean</u> Title <u>4.10.18</u> Date
Reviewed and Approved by:	<u>Dr. Katherine Frank</u> Name (CEO/Provost) <u><i>[Signature]</i></u> Signature	<u>Provost</u> Title <u>4-10-18</u> Date

- List of Attachments (If necessary):**
- Attachment 1 - Construction Management Program Curriculum of Courses
 - Attachment 2 - Construction Management Program Lab Hours Schedule

**ACCE Progress Report Form – Weakness and Concerns
(One sheet per weakness/concern)**

NO WEAKNESSES WERE DISCOVERED

Description (taken directly from the Visiting Team Report)
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**ACCE Progress Report Form – Weakness and Concerns
(One sheet per weakness/concern)**

Concern #1

Description (taken directly from the Visiting Team Report)

Computer Lab Facilities. [See Section VI A 1 of this Report.] The program has access to two computer labs in the Hogue Building addition that was completed in the fall of 2011. One is a 20 computer lab/ classroom facility and the other is a 27 station lab facility. The concern is that occasionally both labs are used as a classroom and the students have limited access to computers with industry specific software. [See ACCE Document 103, Section VI.6.1.]

Current Status of Progress: **Alleviated** **In Progress** **Correction Plan Attachment**

Third Year Report(limit 1,600 characters):

To address this concern, the Construction Management program has hired a Construction Management student to work in the lab and allow students increased access to the lab on weekends. The lab is now open additional hours from 1pm to 9pm on Saturdays. This allows students access to industry-specific software programs and has eliminated this concern. A sample of the construction management lab hours schedule can be found in attachment 2 of this document.

**ACCE Progress Report Form – Weakness and Concerns
(One sheet per weakness/concern)**

Concern #2

Description (taken directly from the Visiting Team Report)

Technical Staff Support. [See Section IV C of this Report.] The program does not have any dedicated technical or administrative support. The Engineering Technologies, Safety and Construction Department is supported by two technicians and one administrative assistant but the workload these individuals currently has limits their ability to adequately service the program. [See ACCE Document 103, Section 4.3.]

Current Status of Progress: **Alleviated** **In Progress** **Correction Plan Attachment**

Third Year Report(limit 1,600 characters):

The ETSC Department currently has one full-time Administrative Assistant who assists all programs, including CMGT. The Department supports the faculty/programs in the classroom and laboratory through two Instructional and Classroom Support Technicians. The Department also currently uses five Student Lab Technicians to assist with lab sections. These five positions are funded through department and Work-Study funds. Three of them assist the Lab Technicians to support multiple programs, including CMGT as needed, and two are assigned to the Electronics and Engineering Technology program. This level of support staff is slightly higher compared to other peer-departments in our college. However, we have requested the College of Education and Professional Studies Dean add one additional Student Clerical Assistant to be assigned to the department main office starting Summer 2018. This will allow reassignment of workload from the full-time Administrative Assistant and the Lab Technicians; allowing them to provide additional support to the CMGT program. Also, CMGT employer information sessions are currently managed by the CMGT faculty members. A large portion of this responsibility will be transferred to the CWU Career Services starting AY 18-19. Also, the Dean is exploring to add a college level Administrative Assistant to take some workload off the departmental Administrative Assistants (e.g., travel related support) starting AY 18-19. Based on these actions, we feel the CMGT program will be adequately supported.

Attachment 1
Construction Management Program Curriculum of Courses
(Copied from the University Catalog)

Construction Management Major, BS

Co-Coordinator

David Carns, MS
P. Warren Plugge, PhD

Advisors

David Martin, MS
Michael Whelan, PhD

This major prepares the graduate for management positions in the construction industry. Students must be accepted into the major prior to taking upper-division CMGT courses. See www.cwu.edu/engineering for details. Students pursuing this degree should work closely with their program advisor to ensure that prerequisites for entry into the major have been satisfied.

Construction management students have the choice to concentrate on one of two different construction types; general building or heavy civil construction.

Admission Requirements

Admission to the program is competitive; refer to construction management handbook on the program website (www.cwu.edu/engineering/construction-management).

Exit Requirements

Students are required to complete the Associate Constructor exam administered by American Institute of Constructors and achieve a minimum score of 60 percent to graduate with a BS in construction management.

Required Courses Credits: 126 (New and revised courses are in bold)

Required Courses:

ACCT 301 - Financial Accounting Analysis Credits: (5)
BUS 241 - Legal Environment of Business Credits: (5)
CMGT 101 - Construction and the Built Environment Credits: (3)
CMGT 201 - Computer Applications in Construction Credits: (3)
CMGT 265 - Construction Documents Credits: (3)
CMGT 267 - Plane Surveying Credits: (3)
AND CMGT 267LAB - Plane Surveying Field Session Credits: (1)
OR CMGT 267LABHC - Heavy Civil Highway Field Session Credits: (1)
CMGT 320 - Electrical Systems Credits: (3)
CMGT 343 - Construction Estimating I Credits: (4)
CMGT 344 - Construction Estimating II Credits: (4)
OR CMGT 345 - Heavy Civil Estimating II Credits: (4)
CMGT 346 - Construction Methods and Materials Credits: (4)

OR CMGT 347 - Heavy Civil Methods and Materials Credits: (4)
CMGT 440 - Temporary Structures Credits: (4)
OR CMGT 441 - Wood and Steel Construction Credits: (4)
CMGT 442 - Building Mechanical Systems Credits: (3)
OR CMGT 443 - Heavy Civil Utilities Credits: (3)
CMGT 444 - Codes, Contracts, and Specifications Credits: (4)
OR CMGT 445 - Heavy Civil Contract Law Credits: (4)
CMGT 447 - Construction Planning, Scheduling, and Control Credits: (4)
CMGT 450 - Soils and Foundations Credits: (4)
CMGT 455 - Principles of Construction Management Credits: (4)
OR CMGT 456 - Principles of Heavy Civil Construction Management Credits: (4)
CMGT 460 - Concrete Construction Credits: (4)
OR CMGT 461 - Pavement Design and Construction Credits: (4)
CMGT 481 - Construction Management Capstone Credits: (4)
OR CMGT 495A - Construction Management Competition Preparation - Fall Credits: (2) (Fall)
AND CMGT 495B - Construction Management Competition Preparation - Winter Credits: (2)
(Winter)
CMGT 485 - Construction Accounting, Finance, and Contemporary Topics Credits: (4)
CMGT 488 - Professional Certification Credits: (1)
COM 345 - Business and Professional Speaking Credits: (4)
ECON 201 - Principles of Economics Micro Credits: (5)
ETSC 161 - Architectural Computer Aided Design Credits: (3)
ETSC 301 - Engineering Project Cost Analysis Credits: (4)
ETSC 311 - Statics Credits: (4)
ETSC 312 - Strength of Materials Credits: (4)
GEOL 101 - Exploring Earth Credits: (4)
GEOL 101LAB - Introductory Geology Laboratory Credits: (1)
MATH 172 - Calculus I Credits: (5)
MATH 173 - Calculus II Credits: (5)
MGT 380 - Organizational Management Credits: (5)
PHYS 181 - General Physics I with Laboratory Credits: (5)
SHM 323 - Construction Safety and Health Credits: (3)

Select one of the following: Credits: 4

CMGT 452 - LEED in Sustainable Construction Credits: (4)
OR ETSC 490 - Cooperative Education Credits: (1-12) (Must be taken for 4 credits)

OR Department-Approved Elective Course Credits: (4)

Total Credits: 130

Attachment 2
Construction Management Open Lab Hours Schedule

Below is a table showing the open lab hours schedule. Since re-accreditation in 2015, a student worker was hired to open and maintain the lab on Saturday from 1pm to 9pm to allow students extra time to use industry specific software to complete their assignments.

Lab Hours

Day	Time
Monday	5pm to 9pm
Tuesday	10am to 10pm
Wednesday	5pm to 10pm
Thursday	12pm to 10pm
Friday	8am to 1pm, 3pm to 5pm
Saturday	<i>1pm to 9pm (additional hours)</i>
Sunday	1pm to 9pm