



2018-2019 PROGRAM REQUIREMENTS
Degree: Bachelor of Science
Major: Construction Management

About This Major . . .

Construction managers plan, direct, and coordinate a wide variety of construction projects, including the building of all types of residential, commercial and industrial structures, roads, and bridges. They are salaried or self-employed managers who oversee construction supervisors and workers. Construction managers coordinate and supervise the construction process from the conceptual development stage through final construction, insuring the project is completed on time and within budget. They are also responsible for the safety of the work environment. Graduates of the Construction Management program will possess an OSHA 10-hour safety card upon graduation.

Potential majors must be comfortable with mathematics, technical instruction, physical science, computers, and software programs. They should work well under pressure and have good oral and written communication skills. They are managers of processes and people and must excel in both technical and human interaction skills.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply business knowledge and skills in appropriate business contexts and transfer knowledge and skills to new business situations. (Critical Thinking)
2. Produce professional business work products, independently and working as a team. (Applied Learning)
3. Communicate clearly, appropriately, and persuasively to the business audience, both orally and in writing. (Communication Fluency)
4. Integrate knowledge from multiple functional areas of business to solve business problems and to develop sound business strategies. (Specialized Knowledge)
5. Analyze business data critically, reason logically, and apply quantitative analysis methods correctly to develop appropriate business conclusions. (Quantitative Fluency)
6. Properly and appropriately use information systems tools and techniques within functional business areas. (Applied Learning)
7. Identify, formulate, and solve construction related problems by applying mathematics, science, and business principles. (Specialized Knowledge)

Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

INSTITUTIONAL DEGREE REQUIREMENTS

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

PROGRAM-SPECIFIC DEGREE REQUIREMENTS

- "C" or higher in coursework toward the major content area.

ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

English (6 semester hours, must receive a grade of "C" or better and must be completed by the time the student has 60 semester hours.)

- ENGL 111 - English Composition (3)
- ENGL 112 - English Composition (3)

Mathematics (3 semester hours, must receive a grade of "C" or better, must be completed by the time the student has 60 semester hours.)

- MATH 113 -College Algebra (4)* or higher
*3 credits apply to the Essential Learning requirements and 1 credit applies to elective credit.

Humanities (3 semester hours)

- Select one Humanities course (3)

Social and Behavioral Sciences (6 semester hours)

- ECON 201 - Principles of Macroeconomics (3)
- ECON 202 - Principles of Microeconomics (3)

Natural Sciences (7 semester hours, one course must include a lab)

- PHYS 111 - General Physics (4)*
*3 credits apply to Essential Learning requirements and 1 credit applies to elective credit.
- PHYS 111L - General Physics Laboratory (1)
- Select one Natural Sciences course (3)

History (3 semester hours)

- Select one History course (3)

Fine Arts (3 semester hours)

- Select one Fine Arts course (3)

OTHER LOWER-DIVISION REQUIREMENTS

Wellness Requirement (2 semester hours)

- KINE 100 - Health and Wellness (1)
- Select one Activity course (1)

Essential Learning Capstone (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)

FOUNDATION COURSES (27 semester hours)

- ACCT 201 - Principles of Financial Accounting (3)
- CONC 101 - Construction Safety and Regulations (3)
- CONC 116 - Building Materials (3)
- CONC 161 - Building Mechanical and Electrical (3)
- CONC 208 - Construction Equipment (3)
- CONC 218 - Surveying (3)
- CONC 228 - Estimating and Cost Control (3)
- MATH 130 - Trigonometry (3)
- STAT 200 - Probability and Statistics (3)

BS, CONSTRUCTION MANAGEMENT REQUIREMENTS (46 semester hours, must earn a "C" or better in each course)

Required Core Courses (12 semester hours)

- BUGB 349 - Legal Environment of Business (3)
- CONM 234 - Graphic Communications for Construction Management (3)
- FINA 301 - Managerial Finance (3)
- HRMA 371 - Human Resource Management (3)

Required Concentration Courses (31 semester hours)

- CONM 181 - Principles of Construction Management (3)
- CONM 316 - Construction Materials and Methods (3)
- CONM 340 - Advanced Construction Estimating and Bidding (3)
- CONM 361 - Advanced MEP Systems (3)
- CONM 362 - Structural Analysis-Statics/Materials Strength (3)
- CONM 370 - Managing Safety and the Regulatory Environment (3)
- CONM 380 - Construction Project Management (3)
- CONM 462 - Soil and Foundation Construction (3)
- CONM 462L - Soil and Foundation Construction Lab (1)
- CONM 472 - Planning and Scheduling (3)
- CONM 475 - Construction Company and Financial Management (3)

Restricted Elective (3 semester hours)

Select one of the following courses:

- CONM 485 - Construction Management Issues (3)
- CONM 495 - Construction Independent Study
- CONM 499 - Internship

GENERAL ELECTIVES (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours. 10 semester hours)

- MATH 113 - College Algebra (1)
- PHYS 111 - General Physics (1)
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- _____
- _____
- _____
- _____
- _____

SUGGESTED COURSE SEQUENCING

Freshman Year, Fall Semester: 16 credits

- CONC 101 - Construction Safety and Regulations (3)
- CONC 116 - Building Materials (3)
- CONM 181 - Principles of Construction Management (3)
- ENGL 111 - English Composition (3)
- MATH 113 - College Algebra (4)

Freshman Year, Spring Semester: 14 credits

- CONC 161 - Building Mechanical and Electrical (3)
 - CONC 208 - Construction Equipment (3)
 - Essential Learning - Humanities (3)
 - ENGL 112 - English Composition (3)
 - KINA Activity (1)
 - KINE 100 - Health and Wellness (1)
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Sophomore Year, Fall Semester: 17 credits

- ACCT 201 - Principles of Financial Accounting (3)
- CONC 228 - Estimating and Cost Control (3)
- CONM 234 - Graphic Communications for Construction Management (3)
- ECON 201 - Principles of Macroeconomics (3)
- PHYS 111 - General Physics (4) and PHYS 111L - General Physics Laboratory (1)

Sophomore Year, Spring Semester: 15 credits

- CONC 218 - Surveying (3)
 - ECON 202 - Principles of Microeconomics (3)
 - Essential Learning - Natural Science (3)
 - General Elective (3)
 - MATH 130 - Trigonometry (3)
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Junior Year, Fall Semester: 16 credits

- CONM 316 - Construction Materials and Methods (3)
- CONM 340 - Advanced Construction Estimating and Bidding (3)
- CONM 362 - Structural Analysis-Statics/Materials Strength (3)
- CONM 370 - Managing Safety and the Regulatory Environment (3)
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)

Junior Year, Spring Semester: 15 credits

- BUGB 349 - Legal Environment of Business (3)
 - CONM 361 - Advanced MEP Systems (3)
 - CONM 380 - Construction Project Management (3)
 - HRMA 371 - Human Resource Management (3)
 - STAT 200 - Probability and Statistics (3)
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Senior Year, Fall Semester: 15 credits

- CONM 472 - Planning and Scheduling (3)
- Essential Learning - Fine Arts (3)
- Essential Learning - History (3)
- FINA 301 - Managerial Finance (3)
- General Elective (3)

Senior Year, Spring Semester: 12 credits

- CONM 462 - Soil and Foundation Construction (3)
- CONM 462L – Soil and Construction Lab (1)
- CONM 475 - Construction Company and Financial Management (3)

- General Elective (2)
 - Restricted Elective (3)
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