About This Emphasis . . .

The A.A.S. degree in Construction Technology with an emphasis on Supervision is designed to prepare students for a wide range of opportunities in the Construction field that require management skills. The curriculum incorporates courses in building materials and testing, estimating, planning and scheduling, project management, and other supervisory and Essential Learning courses that develop management skills. Career options include obtaining a position as a purchasing manager, salesperson, crew supervisor, or project manager in the field of construction.

For more information on what you can do with this major, go to http://www.coloradomesa.edu/wccc/programs.html

All CMU associate 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. Demonstrate the fundamental skill in the oral and written language as required to effectively communicate within the construction industry. (Communication Fluency)
2. Demonstrate blueprint reading skills, and the surveying skills necessary to function in profession. (Specialized Knowledge)
3. Interpret, locate, organize and evaluate problems and tasks that arise in the building industry, solve these through the use of information resource skills necessary to the construction industry. (Critical Thinking)
4. Describe the scope and application of principle features of the field of study, including core practices in the construction industry. (Specialized Knowledge)
5. Demonstrate the mastery of OSHA safety standards in the construction industry. Generate a substantially error free product or process for the workforce. (Applied Learning)
DEGREE REQUIREMENTS:
- 63 semester hours total (A minimum of 16 taken at CMU in no fewer than two semesters).
- 2.00 cumulative GPA or higher in all CMU coursework and “C” or better must be achieved in coursework toward major content areas.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student’s responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student’s faculty advisor and Department Head.
- When filling out the program sheet a course can be used only once.
- See “Requirements for Undergraduate Degrees and Certificates” in the catalog for additional graduation information.

ESSENTIAL LEARNING REQUIREMENTS (15 semester hours)
See the current catalog for a list of courses that fulfill the requirements below. If a course is on the Essential Learning list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the Essential Learning requirement. The Essential Learning capstone course and co-requisite Essential Speech course (required for bachelor’s degrees) cannot be used as options for the below requirements.

Course No Title Sem.hrs Grade Term/Trams
Communication (6 semester hours)
ENGL 111 English Composition 3 __________
ENGL 112 English Composition 3 __________
-OR-
ENGL 111 English Composition and SPCH 101 Interpersonal Communication 3 ________
SPCH 102 Spechmaking 3 ________

Mathematics: Minimum Math 107 Career Mathematics (Minimum 3 semester hours) 3 

*Please see your advisor for requirements specific to this program.

ASSOCIATE OF APPLIED SCIENCE: CONSTRUCTION TECHNOLOGY – SUPERVISION COURSE REQUIREMENTS

Course No Title Sem.hrs Grade Term/Trams
Social Sciences, Natural Science, Fine Arts or Humanities (Minimum 6 semester hours)
ECON 201 Principles of Macroeconomics 3 __________

WELLNESS REQUIREMENT (2 semester hours)
KINE 100 Health and Wellness 1 ________
KINA 1 ________

ASSOCIATE OF APPLIED SCIENCE: CONSTRUCTION TECHNOLOGY – SUPERVISION COURSE REQUIREMENTS (46 semester hours)

Core Classes
CONC 101 Construction Safety and Regulations 3 ________
CONC 104 Architectural/Civil Print Reading 2 ________
CADT 106 Computer Aided Design 3 ________
CONC 116 Building Materials 3 ________
CONC 117 Building Materials Testing 3 ________
CONC 161 Building Mechanical and Electrical 3 ________
CONC 208 Construction Equipment 3 ________
CONC 218 Surveying 3 ________
CONC 228 Estimating and Cost Control 3 ________
CONC 234 Commercial/Industrial Plans 2 ________
CONC 245 Project Management 3 ________
CONC 251 Construction Preparation (Codes, Permits, etc.) 3 ________
CONC 265 Planning & Scheduling for the Construction Supervisor 3 ________

Electives (9 credit hours) from the list below.

*Please see your advisor for requirements specific to this program.

ELECTIVES:
- CADT (instructor advice)
- CONC (instructor advice)
- ACCT 201 Principles of Financial Accounting (3)
- MANG 201 Principles of Management (3)
- MANG 371 Human Resource Management (3)
- BUGB 351 Business Law I (3)
- BUGB 352 Business Law II (3)
- CHEM 121/L Principles of Chemistry – GTSC1 (4) / (1)
- PHYS 111/L General Physics – GTSC1 (4) / (1)
- STAT 200 Probability and Statistics (3)
- MARK 231 Principles of Marketing (3)
- FLAS Spanish
SUGGESTED COURSE SEQUENCING FOR THE
ASSOCIATE OF APPLIED SCIENCE WITH A MAJOR IN
CONSTRUCTION TECHNOLOGY, EMPHASIS IN SUPERVISION

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student’s responsibility to meet with the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

FRESHMAN YEAR

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<th>Second Semester</th>
<th>Hours</th>
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SOPHOMORE YEAR

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<th>Fourth Semester</th>
<th>Hours</th>
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<td>CONC 245</td>
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<td>CADT 106</td>
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POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. This program sheet must be submitted with your graduation planning sheet to your advisor during the semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates. You must turn in your “Intent to Graduate” form to the Registrar’s Office by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December.
3. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar’s Office. (Students cannot handle the forms once the advisor signs.)
4. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your “Intent to Graduate” does not automatically move to a later graduation date.
5. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).