



**2017-2018 PROGRAM REQUIREMENTS**  
**Degree: Associate of Applied Science**  
**Major: Construction Technology**  
**Emphasis: Supervision**

**About This Major . . .**

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 estimator, 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 the 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)

**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/WCCC AAS degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 60 semester hours minimum.
- Students must complete a minimum of 15 of the final 30 semester hours of credit at CMU/WCCC.
- 2.00 cumulative GPA or higher in all CMU/WCCC 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 20 semester credit hours for an AAS degree.
- 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**

- 63 semester hours total for the AAS, Construction Technology, Supervision.
- 2.00 cumulative GPA or higher in all CMU coursework.
- A "C" or better must be achieved in achieved in coursework toward major content area.

## **ESSENTIAL LEARNING REQUIREMENTS** (15 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.

### **Communication** (6 semester hours)

- ENGL 111 - English Composition (3)
- Select one of the following courses:
  - ENGL 112 - English Composition (3)
  - SPCH 101 - Interpersonal Communication (3)
  - SPCH 102 - Speechmaking (3)

### **Mathematics** (3 semester hours)

- MATH 107 - Career Math (3) or higher

### **Other Essential Learning Core Courses** (6 semester hours)

- ECON 201 - Principles of Macroeconomics (3)
- Select one Social and Behavioral Sciences, History, Natural Sciences, Fine Arts or Humanities course (3)

## **OTHER LOWER-DIVISION REQUIREMENTS**

### **Wellness Requirement** (2 semester hours)

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

**AAS: CONSTRUCTION TECHNOLOGY - SUPERVISION** (46 semester hours)

**Core Classes** (37 Semester Hours)

- 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 (3)
- CONC 245 - Project Management (3)
- CONC 251 - Construction Preparation (Codes, Permits, etc.) (3)
- CONC 265 - Planning & Scheduling for the Construction Supervisor (3)

**Concentration Electives** (9 semester hours)

Complete 9 semester hours from the list below.

- 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 - Principles of Chemistry (4) and CHEM 121L - Principles of Chemistry Lab (1)
- PHYS 111 - General Physics (4) and PHYS 111L - General Physics Lab (1)
- STAT 200 - Probability and Statistics (3)
- MARK 231 - Principles of Marketing (3)
- FLAS Spanish

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## SUGGESTED COURSE SEQUENCING

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### **Freshman Year, Fall Semester: 16 credits**

- ENGL 111 - English Composition (3)
- MATH 107 - Career Math or higher (3)
- CONC 101 - Construction Safety & Regs (3)
- CONC 104 - Architectural/ Civil Print Reading (2)
- CONC 116 - Building Materials (3)
- KINE 100 - Health and Wellness (1)
- KINA 1XX - Activity (1)

### **Freshman Year, Spring Semester: 17 credits**

- ENGL 112 - English Composition (3) **OR** SPCH 101/102 (3)
- CONC 218 - Surveying (3)
- CONC 117 - Building Materials Testing (3)
- CONC 161 - Building Mechanical & Elec (3)
- CONC 208 - Construction Equipment (3)
- CONC 234 - Commercial/Industrial Plans (2)

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### **Sophomore Year, Fall Semester: 15 credits**

- Social Sciences, Natural Science, Fine Arts or Humanities (3)
- ECON 201 - Prin. Of Macroeconomics (3)
- CONC 228 - Estimating and Cost Control (3)
- CONC 251 - Construction Preparation (3)
- CONC 265 - Plan. & Sched, for Cons. Super (3)

### **Sophomore Year, Spring Semester: 15 credits**

- CONC 245 - Project Management (3)
  - Elective (3)
  - Elective (3)
  - Elective (3)
  - CADT 106 - Computer Aided Design (3)
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