

# Associate of Applied Science in Construction Management

The Associate of Applied Science in Construction Management (AASCM) prepares students to work as entry-level managers in the construction industry. Managers help control construction costs and schedules; administer contracts; determine construction means and methods; and manage people, material, and equipment while ensuring compliance with design criteria and safety standards.

The Associate in Applied Science in Construction Management is nationally accredited by the American Council for Construction Education.

The AASCM meets the requirements for the first two years of the Bachelor of Science (BS) in Construction Management.

## Admission Requirements

- Complete the Admission Requirements for Associate Degrees (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).

## Graduation Requirements

- Complete the General University Requirements for Associate Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/>).
- Complete the General Education Requirements for Associate of Applied Science Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/generaleducationrequirements/>).
  - For the Quantitative Skills requirement, choose MATH A105 or higher.
- Complete the following major requirements:

Code	Title	Credits
ACCT A201	Principles of Financial Accounting	3
AET A101	Fundamentals of Construction Documents	3
AET A102	Methods and Materials of Building Construction	3
AET A123	Codes and Standards	3
AET A213	Fundamentals of Civil Construction	4
AET A242	Mechanical, Electrical and Plumbing Systems	4
BA A241	Business Law I	3
CM A163	Building Construction Cost Estimating	3
CM A201	Construction Project Management I	3
CM A202	Project Planning and Scheduling	3

CM A232	Statics and Strength of Materials	3
CM A263	Civil Construction Cost Estimating	3
CM A295	Construction Management Internship	3
or CM A495	Advanced Construction Management Internship	
GEO A181	Construction Surveying	1
OSH A405	Construction Industry Safety Management	3
PHYS A115 & A115L	Physical Science and Physical Science Lab	4
or PHYS A123 & A123L	College Physics I and College Physics I Laboratory	
<b>Total</b>		<b>49</b>

**A minimum of 61 credits is required for the degree.**

## Program Student Learning Outcomes

Students graduating with an Associate of Applied Science in Construction Management will be able to:

- Demonstrate effective communication, both orally and in writing.
- Create construction project cost estimates.
- Create construction project schedules.
- Demonstrate the ability to use current technology related to the construction process.
- Interpret construction documents (contracts, specifications, and drawings) used in managing a construction project.
- Apply basic principles of construction accounting.
- Use basic surveying techniques used in building layout.
- Discuss the basic principles of ethics in the construction industry.
- Identify the fundamentals of contracts, codes, and regulations that govern a construction project.
- Recognize basic construction methods, materials and equipment.
- Recognize basic safety hazards on a construction site and standard prevention measures.
- Recognize the basic principles of structural design.
- Recognize the basic principles of mechanical, electrical and piping systems.