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 of Applied Science 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/educationrequirements/).
  - For the Quantitative Skills requirement, choose MATH A105 or higher.
- Complete the following major requirements with a minimum grade of C:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACCT A201</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>AET A101</td>
<td>Fundamentals of Construction Documents</td>
<td>3</td>
</tr>
<tr>
<td>AET A102</td>
<td>Methods and Materials of Building Construction</td>
<td>3</td>
</tr>
<tr>
<td>AET A123</td>
<td>Codes and Standards</td>
<td>3</td>
</tr>
<tr>
<td>AET A242</td>
<td>Mechanical, Electrical and Plumbing Systems</td>
<td>4</td>
</tr>
<tr>
<td>BA/JUST A241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>CM A163</td>
<td>Building Construction Cost Estimating</td>
<td>3</td>
</tr>
<tr>
<td>CM A201</td>
<td>Construction Project Management I</td>
<td>3</td>
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<tr>
<td>CM A202</td>
<td>Project Planning and Scheduling</td>
<td>3</td>
</tr>
<tr>
<td>CM A232</td>
<td>Statics and Strength of Materials</td>
<td>3</td>
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CM A263  Civil Construction Cost Estimating  3
CM A295  Construction Management  3
or CM A495 Advanced Construction Management Internship
GEO A181 Construction Surveying  1
OSH A405 Construction Industry Safety Management  3
PHYS A115 Physical Science  4
& A115L and Physical Science Lab
or PHYS A123 College Physics I
& A123L and College Physics I Laboratory

Total 45

A minimum of 61 credits is required for the degree.

Program Student Learning Outcomes

Upon completion of the Associate of Applied Science in Construction Management student 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.