

Bachelor of Science in Construction Management

The Bachelor of Science in Construction Management (BSCM) 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 BSCM is nationally accredited by the American Council for Construction Education.

Admission Requirements

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

Graduation Requirements

- Complete the General University Requirements for Baccalaureate Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/>).
- Complete the General Education Requirements for Baccalaureate Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/gers/>).
- Complete the following major requirements:

| Code | Title | Credits |
|--|--|---------|
| Support Courses | | |
| ACCT A201 | Principles of Financial Accounting | 3 |
| ACCT A202 | Principles of Managerial Accounting | 3 |
| AET A411 | Northern Design | 3 |
| BA A241 | Business Law I | 3 |
| BA A300 | Organizational Theory and Behavior | 3 |
| ECON A101 | Principles of Microeconomics | 3 |
| ECON A102 | Principles of Macroeconomics | 3 |
| GEO A181 | Construction Surveying | 1 |
| PHIL A301 | Ethics | 3 |
| or PHIL A305 | Professional Ethics | |
| PHYS A123 | College Physics I | 3 |
| PHYS A123L | College Physics I Laboratory | 1 |
| WRTG A212 | Writing and the Professions ¹ | 3 |
| Complete one of the following science courses with a laboratory class: | | 4 |
| CHEM A105 & A105L | General Chemistry I and General Chemistry I Laboratory | |

| | | |
|--|---|-----|
| GEOL A111 & A111L | Planet Earth and Planet Earth Laboratory | |
| Complete one additional science course with laboratory at or above the 100 level in CHEM, ENVI, GEOL or PHYS | | 4 |
| Complete one of the following: | | 3-6 |
| MATH A221 | Applied Calculus for Managerial and Social Sciences | |
| MATH A251 | Calculus I | |
| MATH A251F | F.A.T. Calculus I | |
| STAT A253 | Applied Statistics for the Sciences | |

Core Courses

| | | |
|----------|--|---|
| 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 |
| AET A332 | Structural Technology | 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 A301 | Construction Project Management II | 3 |
| CM A313 | Soils in Construction | 3 |
| CM A401 | Construction Law | 3 |
| CM A422 | Sustainability in the Built Environment | 3 |
| CM A440 | Financial Management for Construction | 3 |
| CM A450 | Construction Management Professional Practice ² | 3 |
| CM A460 | Construction Equipment Management and Methods | 3 |
| CM A495 | Advanced Construction Management Internship | 3 |
| OSH A405 | Construction Industry Safety Management | 3 |

Total **105-108**

¹ Or WRTG A2W.

² All BSCM majors are also required to sit for the eight-hour, comprehensive American Institute of Constructors, Associate

Constructor (Level 1) Exam as part of CM A450. CM A450 should be taken during the last or second-to-last semester before graduation.

A minimum of 120 credits is required for the degree, of which 39 credits must be upper-division.