

# Bachelor of Science in Construction Management

## Sample Plan

The academic plan below is one pathway through the degree/certificate. It includes all requirements, taking into account recommendations from program faculty. Each student's plan may vary according to their initial course placement (<https://catalog.uaa.alaska.edu/academicpoliciesprocesses/academicstandardsregulations/courseplacement/>), intended course load, additional majors and/or minors, and their placement into required prerequisite courses. Any change in the plan below can have an unforeseen impact on the rest of the plan. **Therefore, it is very important to meet with your academic advisor to verify your personal academic plan.**

**Please review the following terms, definitions, and resources associated with the sample academic plan below.**

- Each course in the far left column links to a pop-up bubble with a course description, prerequisite requirements, and associations with university requirements. For example, if a course fulfills a general education requirement, you will see that in the pop-up bubble.
- GER:** indicates a General Education Requirement (<https://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/gers/>). GERs that also count toward degree/certificate requirements appear as a specific course in the plan. For these courses, "GER" is not indicated explicitly in the table, but if you click on the course, you will see the course's GER status in the pop-up bubble.
- Program Elective:** indicates a specific course selection determined by program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- Elective:** indicates an open selection of 100-400 level university courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate.
- Upper Division Program Elective:** indicates a specific 300-400 level course selection determined by the program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- Upper Division Elective:** indicates an open selection of 300-400 level courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate. These courses must be upper division in order to meet General University Requirements for the particular degree/certificate type.

### First Year

Fall		Credits
AET A101	Fundamentals of Construction Documents	3
AET A102	Methods and Materials of Building Construction	3
COMM A111	Fundamentals of Oral Communication	3

MATH A105	Intermediate Algebra	4
WRTG A111	Writing Across Contexts	3
<b>Credits</b>		<b>16</b>

### Spring

AET A213	Fundamentals of Civil Construction	4
CM A201	Construction Project Management I	3
MATH A151	College Algebra for Calculus	4
PHYS A123 & A123L	College Physics I and College Physics I Laboratory	4
WRTG A212	Writing and the Professions	3
<b>Credits</b>		<b>18</b>

### Second Year

#### Fall

AET A123	Codes and Standards	3
AET A242	Mechanical, Electrical and Plumbing Systems	4
CM A163	Building Construction Cost Estimating	3
CM A232	Statics and Strength of Materials	3
OSH A405	Construction Industry Safety Management	3
<b>Credits</b>		<b>16</b>

#### Spring

ACCT A201	Principles of Financial Accounting	3
BA A241	Business Law I	3
CM A202	Project Planning and Scheduling	3
CM A263	Civil Construction Cost Estimating	3
CM A495	Advanced Construction Management Internship	3
GEO A181	Construction Surveying	1
<b>Credits</b>		<b>16</b>

### Third Year

#### Fall

ACCT A202	Principles of Managerial Accounting	3
CM A313	Soils in Construction	3
ECON A101	Principles of Microeconomics	3
GEOL A111 & A111L	Planet Earth and Planet Earth Laboratory	4
GER Fine Arts		3
<b>Credits</b>		<b>16</b>

#### Spring

AET A332	Structural Technology	3
AKNS A201	Alaska Native Perspectives	3
CM A301	Construction Project Management II	3
CM A422	Sustainability in the Built Environment	3

MATH A221	Applied Calculus for Managerial and	3-6
or	Social Sciences	
MATH A251	or Calculus I	
or	or F.A.T. Calculus I	
MATH A251F	or Applied Statistics for the Sciences	
or		
STAT A253		

**Credits 15-18**

#### Fourth Year

##### Fall

AET A411	Northern Design	3
CM A401	Construction Law	3
CM A450	Construction Management Professional Practice	3
CM A460	Construction Equipment Management and Methods	3
Program Elective (CHEM, ENVI, GEOL, or PHYS)		4

**Credits 16**

##### Spring

BA A300	Organizational Theory and Behavior	3
CM A440	Financial Management for Construction	3
ECON A102	Principles of Macroeconomics	3
PHIL A301	Ethics	3
or PHIL A305	or Professional Ethics	

**Credits 12**

**Total Credits 125-128**