

# Construction Management

College of Rural and Community Development  
 Tanana Valley Campus  
 (907) 455-2809  
 www.tvc.uaf.edu

## A.A.S. Degree

Minimum Requirements for Degree: 65 credits

The construction management program meets growing needs in the construction industry by training entry-level construction managers and by providing continuing education for construction employees.

Construction managers plan, direct and are responsible for oversight of construction projects. They are responsible for coordinating and managing people, materials and equipment; budgets, schedules and contracts; and the safety of employees and the general public. Construction managers determine construction means and methods and the most cost-effective plans and schedules. They track construction costs and administer contract changes to the project budget to maximize profitability. Construction managers monitor work progress to ensure compliance with architectural and engineering drawings and specifications.

Construction managers work in all phases of the construction business--for public and private owners; on small multi-family projects to the largest of skyscrapers and industrial projects; and on rural roads to major highways. Construction managers work closely with architects, engineers, owners and the various contractors on a construction job. The construction manager's duties are varied, challenging and rewarding.

UAF's construction management program was developed with input from local contractors and professional industry organizations. It provides students with a broad knowledge of building systems and construction techniques. CM graduates understand basic principles of business and know about the technical aspects of the construction industry. Graduates are able to function both in the construction office and on the job site.

The CM AAS degree requires four to five semesters to complete. While not a prerequisite, it is recommended that students applying for admission have experience in the construction industry.

## Major – A.A.S. Degree

1. Complete the general university requirements.
  2. Complete the A.A.S. degree requirements. (As part of the A.A.S. degree requirement complete ENGL 111X, ENGL 212 and COMM 131X or COMM 141X for the communications requirement, and MATH 107X for the computation requirement. The human relations content is embedded in some of the major required courses for this program).
  3. Complete the following program (major) requirements:\*
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|---|----|
| ABUS 101 Principles of Financial Accounting I.....  | 3  |
| ABUS 201 Principles of Financial Accounting II..... | 3  |
| CM 102 Methods of Building Construction.....        | 3  |
| CM 123 Codes and Standards .....                    | 3  |
| CM 142 Mechanical and Electrical Technology .....   | 4  |
| CM 163 Building Construction Cost Estimating .....  | 3  |
| CM 201 Construction Project Management .....        | 3  |
| CM 202 Project Planning and Scheduling .....        | 3  |
| CM 205 Construction Safety.....                     | 3  |
| CM 213 Civil Technology .....                       | 4  |
| CM 231 Structural Technology .....                  | 4  |
| CM 263 Civil Construction Cost Estimating.....      | 3  |
| CM 299 Construction Management Internship.....      | 3  |
| DRT 170 Beginning AutoCAD .....                     | 3  |
| MATH 108 Trigonometry .....                         | 3  |
| PHYS 103X College Physics .....                     | 4  |
| 4. Minimum credits required .....                   | 65 |

\*Students must earn a C grade or better.

Note: Page numbers refer to the UAF 2006-2007 academic catalog, which can be viewed online at [www.uaf.edu/catalog/](http://www.uaf.edu/catalog/).

