Construction Management

Community and Technical College
Construction Management (https://www.ctc.uaf.edu/programs/construction-management/)
907-455-2848

Department Overview
The construction management program at the UAF Community & Technical College (https://www.ctc.uaf.edu/) offers an associate degree program that prepares students for construction management positions in the construction industry and continuing education for those already working in the industry. The program teaches students how to plan, direct, and provide oversight of construction projects and coordinate and manage people, materials and equipment, budgets, schedules and contracts, and the safety of employees and the general public.

Learn more about the Construction Management (https://www.ctc.uaf.edu/programs/construction-management/) program, including an overview of the program, career opportunities, and more.

A.A.S., Construction Management
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; from small, multifamily projects to large skyscrapers and industrial projects; and from 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 gives students broad knowledge of building systems and construction techniques. Construction management 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 construction management A.A.S. 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.

Minimum Requirements for Construction Management Associate Degree: 60 credits

O.E.C., Basic Carpentry
The occupational endorsement in basic carpentry is a starting point for both a career in the construction industry and pursuing a certificate and degree in construction trades technology. Training consists of basic construction safety, introduction to hand and power tools, construction mathematics, floor systems, roof framing, and window and exterior door installation. Students develop a basic understanding of how to communicate, understand, anticipate and complete the work on a construction job site. Applicants must be 16 years old to be admitted.

Minimum Requirements for Basic Carpentry Occupational Endorsement: 14.5 credits
Learn more about the occupational endorsement in basic carpentry (https://www.uaf.edu/academics/programs/occupational-endorsements/basic-carpentry.php), including an overview of the program, career opportunities and more.

O.E.C., Facility Maintenance
The facility maintenance program trains participants in dealing with challenges unique to rural Alaska structures. Training consists of identifying, troubleshooting and customizing solutions to a building or home, learning the importance of working with community advocates, tracking and analyzing past maintenance trends, and developing strategies for future maintenance needs.

Minimum Requirements for Facility Maintenance Occupational Endorsement: 18 credits
Learn more about the occupational endorsement in facility maintenance (https://www.uaf.edu/academics/programs/occupational-endorsements/facility-maintenance.php), including an overview of the program, career opportunities and more.

Programs
Degree
- A.A.S., Construction Management (https://catalog.uaf.edu/associates/construction-management/)

Occupational Endorsements
- O.E.C., Basic Carpentry (https://catalog.uaf.edu/endorsements/carpentry-basic/)