

CONSTRUCTION MANAGEMENT

College of Rural and Community Development
Community and Technical College
907-455-2846
www.ctc.uaf.edu/programs/cm/

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 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.

Major — A.A.S. Degree

1. Complete the general university requirements (page 95).
2. Complete the A.A.S. degree requirements. (See page 99. As part of the A.A.S. degree requirement complete ENGL F111X, ENGL F212 and COMM F131X or COMM F141X for the communications requirement, and MATH F107X 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:

| | |
|---|---|
| ABUS F101—Principles of Accounting I..... | 3 |
| ABUS F201—Principles of Accounting II | 3 |
| CM F102—Methods of Building Construction | 3 |
| CM F123—Codes and Standards..... | 3 |
| CM F142—Mechanical and Electrical Technology | 4 |
| CM F163—Building Construction Cost Estimating | 3 |
| CM F201—Construction Project Management | 3 |
| CM F202—Project Planning and Scheduling..... | 3 |
| CM F205—Construction Safety | 3 |
| CM F213—Civil Technology | 4 |
| CM F231—Structural Technology | 4 |
| CM F263—Civil Construction Cost Estimating..... | 3 |
| CM F299—Construction Management Internship..... | 3 |
| DRT F170—Beginning AutoCAD | 3 |
| MATH F108—Trigonometry | 3 |
| PHYS F103X—College Physics..... | 4 |
4. Minimum credits required..... 65

* Students must earn a C grade (2.0) or better in each course.

All degrees (e.g. Certificate, A.A., A.A.S., A.S., etc) require additional courses. Refer to specific degree and program requirements.

Certificate Requirements

COMMUNICATION (2-3)

Complete one of the following:

| | | |
|-----------------|---------|-------|
| ENGL F111X..... | (3) | _____ |
| ABUS F170 | (3) | _____ |
| ABUS F271 | (3) | _____ |
| ENGL F211X..... | (3) | _____ |
| ENGL F212 | (3) | _____ |
| ENGL F213X..... | (3) | _____ |
| COMM F131X..... | (3) | _____ |
| COMM F141X..... | (3) | _____ |
| DEVS F104 | (1 – 3) | _____ |
| DEVS F105 | (3) | _____ |

Other program-approved discipline-based communication course or discipline-based courses with embedded communication content. (2 – 3)

* ENGL F212 does not fulfill the second half of the written communication requirement for the bachelor's degree.

COMPUTATION (2-3)

Complete one of the following:

| | | |
|--|-----|-------|
| Any course at the F100-level or above in mathematical sciences (computer science, math or statistics). | (3) | _____ |
| ABUS F155 | (3) | _____ |
| DEVM F105..... | (3) | _____ |
| ECE F117 | (3) | _____ |
| HLTH F116 | (3) | _____ |
| HUMS F117..... | (3) | _____ |
| PRT F155..... | (3) | _____ |
| TTCH F131 | (3) | _____ |

Other program-approved discipline-based computation course or discipline-based courses with embedded computation content. (2 – 3)

HUMAN RELATIONS (2-3)

Complete one of the following:

| | | |
|----------------------------|-----|-------|
| ANTH F100X/SOC F100X | (3) | _____ |
| ABUS F154 | (3) | _____ |
| ANL F287..... | (3) | _____ |
| ECE F245..... | (3) | _____ |
| ED/PSY F245 | (3) | _____ |
| HLTH F106 | (3) | _____ |
| HUMS F120..... | (3) | _____ |
| RHS F110 | (1) | _____ |
| AND RHS F115 | (2) | _____ |

Other program-approved discipline-based human relations course or discipline-based courses with embedded human relations content. (2 – 3)

MAJOR SPECIALTY CREDITS (minimum)..... 21

Minimum credits for required certificate..... 30

Associate of Applied Science Requirements

COMMUNICATION (9)

| | | |
|-----------------|-----|-------|
| ENGL F111X..... | (3) | _____ |
|-----------------|-----|-------|

Complete one of the following:

| | | |
|-----------------|-----|-------|
| ABUS F271 | (3) | _____ |
| ENGL F211X..... | (3) | _____ |
| ENGL F212 | (3) | _____ |
| ENGL F213X..... | (3) | _____ |

* ENGL F212 does not fulfill the second half of the written communication requirement for the bachelor's degree.

Complete one of the following:

| | | |
|-----------------|-----|-------|
| COMM F131X..... | (3) | _____ |
| COMM F141X..... | (3) | _____ |

COMPUTATION (3)

Complete one of the following:

| | | |
|--|-----|-------|
| Any course at the F100-level or above in mathematical sciences (computer science, math or statistics). | (3) | _____ |
| ABUS F155 | (3) | _____ |
| DEVM F105..... | (3) | _____ |
| ECE F117 | (3) | _____ |
| HLTH F116 | (3) | _____ |
| HUMS F117..... | (3) | _____ |
| PRT F155..... | (3) | _____ |
| TTCH F131 | (3) | _____ |

Other program-approved discipline-based computation course or discipline-based courses with embedded computation content. (3)

HUMAN RELATIONS (2-3)

Complete one of the following:

| | | |
|----------------------------|-----|-------|
| ANTH F100X/SOC F100X | (3) | _____ |
| ABUS F154 | (3) | _____ |
| ANL F287 | (3) | _____ |
| ECE F245 | (3) | _____ |
| ED/PSY F245 | (3) | _____ |
| HLTH F106 | (3) | _____ |
| HUMS F120..... | (3) | _____ |
| RHS F110 | (1) | _____ |
| AND RHS F115 | (2) | _____ |

Other program-approved discipline-based human relations course or discipline-based courses with embedded human relations content. (3)

MAJOR SPECIALTY CREDITS (minimum)..... 30

Minimum credits required for degree 60



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Admissions and the Registrar • P.O. Box 757480 • Fairbanks, AK 99775-7480 • admissions@uaf.edu • www.uaf.edu

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