

Submit originals and one copy and electronic copy to Governance/Faculty Senate Office (email electronic copy to jbhavie@alaska.edu)

**PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR)**

**SUBMITTED BY:**

<b>Department</b>	<b>Construction Management &amp; Drafting Technology</b>	<b>College/School</b>	<b>CRCD / Community &amp; Technical College</b>
<b>Prepared by</b>	<b>Galen Johnson</b>	<b>Phone</b>	<b>455-2846</b>
<b>Email Contact</b>	<b>gjohns55@alaska.edu</b>	<b>Faculty Contact</b>	<b>Galen Johnson</b>

See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

**PROGRAM IDENTIFICATION:**

<b>DEGREE PROGRAM</b>	<b>Construction Management</b>
<b>Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)</b>	<b>A.A.S.</b>

**A. CHANGE IN DEGREE REQUIREMENTS: (Brief statement of program/degree changes and objectives)**

Three Construction Management (CM) courses are proposed, via separate Format 2s, to be reduced from 4 to 3 credits each, reducing the total number of credits required for the CM AAS from 65 to 62.

**B. CURRENT REQUIREMENTS AS IT APPEARS IN THE CATALOG:**

**CONSTRUCTION MANAGEMENT**  
 College of Rural and Community Development Community and Technical College  
 907-455-2846  
[www.ctc.uaf.edu/programs/cm/](http://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, multifamily 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 gives students 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 CMA.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 97. As part of the A.A.S. degree requirement complete ENGL F111X, ENGL F212 or ENGL F213X, and COMM F131X or COMM F141X for the communications requirement, and MATH F151X 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 F152X—Trigonometry.....                       | 3 |
| PHYS F103X—College Physics.....                    | 4 |
4. Minimum credits required ..... 65

*Students must earn a C- grade or better in each course.*

**C. PROPOSED REQUIREMENTS AS IT WILL APPEAR IN THE CATALOG WITH THESE CHANGES:**  
**(Underline new wording ~~strike through old wording~~ and use complete catalog format )**

### CONSTRUCTION MANAGEMENT

College of Rural and Community Development Community and Technical College

907-455-2846

[www.ctc.uaf.edu/programs/cm/](http://www.ctc.uaf.edu/programs/cm/)

#### A.A.S. Degree

Minimum Requirements for Degree: ~~65~~ 62 credits

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requirement, and MATH F151X for the computation requirement. The human relations content is embedded in some of the major required courses for this program.)

7. Complete the following program (major) requirements:\*
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  - 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~~ 3
  - 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~~ 3
  - CM F231—Structural Technology..... ~~4~~ 3
  - CM F263—Civil Construction Cost Estimating... .. 3
  - CM F299—Construction Management Internship ..... 3
  - DRT F170—Beginning AutoCAD..... 3
  - MATH F152X—Trigonometry..... 3
  - PHYS F103X—College Physics..... 4
8. Minimum credits required ..... 65 ~~62~~

*Students must earn a C- grade or better in each course.*

**D. ESTIMATED IMPACT**

*WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.*

The standardization to one-night-per-week meetings will better coordinate these three courses with the CM and other program's typical class scheduling and will allow more efficient use of classroom space and improve their availability to students who are working.

**E. IMPACTS ON PROGRAMS/DEPTS:**

*What programs/departments will be affected by this proposed action? Include information on the Programs/Departments contacted (e.g., email, memo)*

The Drafting Technology (DRT) program will benefit from more efficient use of classroom space and improved student engagement and CM students will continue to be encouraged to take extra/elective DRT courses to enhance their employability.

**F. IF MAJOR CHANGE - ASSESSMENT OF THE PROGRAM:**

*Description of the student learning outcomes assessment process.)*

Course content of three courses will be somewhat compressed, but student learning outcomes and their assessment are not changed by this proposal.



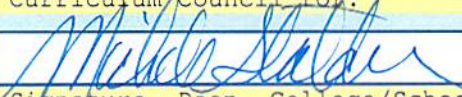
**JUSTIFICATION FOR ACTION REQUESTED**

The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If you drop a course, is it because the material is covered elsewhere? Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the program is not compromised as a result.



In addition to an improved learning environment of more standardized scheduling of classes for the large portion of Construction Management (CM) and Drafting Technology (DRT) students who are working fulltime while taking these evening classes, the revision of the credit distribution information corrects the description of the delivery format of the three courses which are being reduced to one evening class session per week.

The reduction in required credits, while compressing the content of three CM courses, will not require an unacceptable compromise of learning outcomes. In addition to the scheduling and cost savings advantages to students, this proposed change to 62 versus 65 credits for the CM A.A.S. degree also responds to streamlining initiatives for the completion of degrees.

**APPROVALS: SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE**

	Date	1-29-16
Signature, Chair, Program/Department of:	Construction Management (CM)	
	Date	1-29-16
Signature, Chair, College/School Curriculum Council for:	CTC	
	Date	2/1/16
Signature, Dean, College/School of:		

**CHAIR SIGNATURE OBTAINED FOLLOWING APPROVAL BY FACULTY SENATE COMMITTEE**

	Date	
Signature, Chair, UAF Faculty Senate Curriculum Review Committee		
Graduate Academic and Advisory Committee		