

# CONSTRUCTION & MANUFACTURING

## CONSTRUCTION MANAGEMENT

**Delivery:** Daytime Classes

**Start:** Fall Semester, Full-Time Recommended

### OUTCOMES

Construction Management A.S. Degree .....60 cr.  
Construction Management A.A.S. Degree .....60 cr.

### MAJOR DESCRIPTION

Construction Management prepares students for supervisory and management positions in the construction industry. The curriculum combines basic fundamentals with key courses in applied management, engineering, design and business that are required to manage complex construction projects.

Construction management is an ideal career choice if you have a strong, general interest in building and design plus an aptitude for taking the lead role on big projects from start to finish. As a construction manager, you'll oversee all phases of a project, from planning to budgeting to production.

The Associate of Science (A.S.) in Construction Management is designed to transfer to the University of Minnesota's B.A.S. in Construction Management and Minnesota State University Moorhead's B.S. in Construction Management (Twin Cities).

### WORK ENVIRONMENT

Working in this field is likely to include both office and construction site work.

### POTENTIAL JOB TITLES

- Project Manager
- Design Manager
- Area Superintendent
- Quantity Surveyor
- Chief Estimator
- Site Manager

### SALARY DATA

- Average Wage: \$40.00/hour
- Top Earners: \$70.00/hour

### CONSTRUCTION MANAGEMENT

#### A.S. DEGREE

*This is a sample course sequence.*

*Please contact your program advisor regarding your academic plans.*

#### First Year - First Semester 15 cr

CMSV 2870	Construction Management	3
CMSV2860	Construction Plan Reading	2
ENGI 1150	Composition I	3
MATS 1300	College Algebra <b>or</b>	
MATS 1340	Math for Engineering Technology	4
PHIL 1100	Ethics	3

#### First Year - Second Semester 15 cr

CMSV2875	Mechanical & Electrical Systems	3
CMSV2890	Building Organization & Technology	3
CMSV2850	Construction Safety	2
ENGL 1200	Technical Writing	3
PSYC 1105	General Psychology	4

#### Second Year - First Semester 14 cr

CMSV2885	Construction Estimating	3
ACCT2101	Financial Accounting	4
PHYS1100	College Physics I	4
SPEE1020	Interpersonal Communications	3

#### Second Year - Second Semester 16 cr

CMSV2900	Construction Scheduling	3
CMSV2100	Soils & Concrete Technology	4
ECON 1100	Microeconomics	3
ARTS1310	History of Architecture	3
BUSN 1000	Foundations of Management	3

**TOTAL PROGRAM REQUIREMENTS 60**

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## A.A.S. DEGREE

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### First Year - First Semester 15 cr

CMSV2870	Construction Management	3
CMSV2860	Construction Plan Reading	2
	Technical Elective*	3
MATS 1300	College Algebra <b>or</b>	
MATS 1340	Math for Engineering Technology	4
PHIL 1100	Ethics	3

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### First Year - Second Semester 14 cr

CMSV2875	Mechanical & Electrical Systems	3
CMSV2890	Building Organization & Technology	3
CMSV2850	Construction Safety	2
ENGL 1150	Composition I	3
	Technical Elective*	3

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### Second Year - First Semester 15 cr

CMSV2885	Construction Estimating	3
ARCT1107	Computer Drafting I	3
	Technical Elective*	2
PHYS1100	College Physics I	4
SPEE1020	Interpersonal Communications	3

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### Second Year - Second Semester 16 cr

CMSV2900	Construction Scheduling	3
CMSV2100	Soils & Concrete Technology	4
CMSV2970	Construction Management Internship	3
ARCT1207	Computer Drafting II	3
BUSN 1000	Foundations of Management	3

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### TOTAL PROGRAM REQUIREMENTS 60

\* Select Technical electives from the following subject areas:  
ARCT, CIVL, CMSV, ELEC, HVAC, IDES



**DAKOTA COUNTY**  
**TECHNICAL COLLEGE**

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