Construction Management and Supervision AS

This Construction Management and Supervision AS degree program prepares students for supervisory and management positions in the construction industry.

Construction Management and Supervision Curriculum

Curriculum

Program Courses

Course Code	Title	Course Outlines	Goal Areas	
ACCT 2111	Financial Accounting	View-ACCT 2111	n/a	
BUS 2200	Principles of Management	View-BUS 2200	n/a	
CMSV 1200	Construction Graphics	View-CMSV 1200	n/a	
CMSV 2100	Soils and Concrete Technology	View-CMSV 2100	n/a	
CMSV 2875	Mechanical and Electrical Systems	View-CMSV 2875	n/a	
CMSV 2885	Construction Estimating	View-CMSV 2885	n/a	
CMSV 2890	Building Organization and Technology	View-CMSV 2890	n/a	

Program Electives

Course Code	Title	Course Outlines	Goal Areas	
Program Electives - 6 credits				
BUS 1220	Effective Supervision **or**	**View-BUS 1220**	n/a	
CMSV 1000	Construction Professionalism Seminar **or**	**View-CMSV 1000**	n/a	
CMSV 1300	Legal Aspects of Construction **or**	**View-CMSV 1300**	n/a	
CMSV 2200	Construction Quality Assurance and Quality Control **or**	**View-CMSV 2200**	n/a	
CMSV 2870	Construction Management **or**	**View-CMSV 2870**	n/a	
CMSV 2895	Construction Management Internship **or**	**View-CMSV 2895**	n/a	
CMSV 2900	Construction Scheduling	**View-CMSV 2900**	n/a	

General Education Courses

Course Code	Title	Course Outlines	Goal Areas	
ART 2300	Architectural History	**View-ART 2300**	n/a	2
COMM 1110	Principles of Interpersonal Communication	**View-COMM 1110**	n/a	3
ECON 1070	Principles of Microeconomics	**View-ECON 1070**	n/a	3
College Writing I				
ENGL 1200	Gateway College Writing **or**	**View-ENGL 1200**	n/a	4
ENGL 1201	College Writing I	**View-ENGL 1201**	n/a	
ENGL 1202	College Writing II	**View-ENGL 1202**	n/a	2
PHYS 1201	Principles of Physics I	**View-PHYS 1201**	n/a	5
PSYC 1150	General Psychology	**View-PSYC 1150**	n/a	3
Pre-Calculus College Algebra Pre-Calculus				
MATH 1170	Pre-Calculus **or**	**View-MATH 1170**	n/a	4
MATH 1180	College Algebra and Pre-Calculus	**View-MATH 1180**	n/a	5
Ethics Environmental Ethics				
PHIL 1020	Ethics **or**	**View-PHIL 1020**	n/a	3
PHIL 1200	Environmental Philosophy	**View-PHIL 1200**	n/a	3

MnTC Electives

Electives to reach 30 MnTC credits 60 total credits

NHCC Residency and GPA
15 Credits must be earned at NHCC

Total Credits Required	**60**

Notes

It is recommended that students intending to transfer to the University of Minnesota B.A.S. or Minnesota State University Moorhead B.S. program consult with a counselor about the best course selection options. Students may best be served by choosing MATH courses to fulfill the electives. University of Minnesota students should take MATH 1200 or 1221. Minnesota State University Moorhead students should take MATH 1200. It is further recommended that students intending to transfer to the Minnesota State University Moorhead B.S. program should select BUS 1220 and BUS 1300 as electives.

Program Overview

2022-2023

This program will prepare 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.

Program Outcomes

Develop a foundation of essential knowledge about the cultural, social, and natural worlds, and individual wellbeing.

- Understand and utilize information that describes and prescribes the physical basis, technical specifics and sequential process of building construction
- Formulate a consistent system of actions involving the study of the construction process and the management of that process in an organized and knowledgeable manner

Develop intellectual and practical skills, including:

- Develop a basic understanding of building codes and regulations
- Understanding of construction documents system and organization
- Be able to prepare a construction project cost estimates
- Be able to prepare construction project schedules
- Apply the principles of the Critical Path Method
- Organize and schedule construction activities
- Refine communications skills with subordinates, peers and superiors
- Deduce essential data that is required to prepare cost estimates from construction drawings
- Evaluate and use computer technology in estimating and scheduling

Demonstrate personal and social responsibility, including enhance personal development in:

- Good work attitudes, values, and habits
- Self confidence
- Responsibility
- Better understanding of career options
- Realistic appraisal of strengths
- Prepare, develop, and refine individual CPM and PDM networks in classroom exercises upon an individual and team bases
- Gain firsthand experiences associated with supervisory and/or management roles in an industrial setting

- Refine communications skills with subordinates, peers and superiors
- Implement, develop and/or refine skills in production, management, and personnel matters

Integrative Learning, including:

- Apply construction management techniques to an actual construction management project
- Apply the principles, knowledge and skills learned in the classroom to on the job practices and procedures in the construction industry real life situations
- Develop and refine problem solving techniques
- Formulate systematic and sequential plans, monitor plans, and evaluate projects to assure that quality control goals are achieved

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Program Maps

Program roadmaps provide students with a guide to understand the recommended course sequence to complete their degree.

- **Construction Management and Supervision AS Program Roadmap Full Time**
- **Construction Management and Supervision AS Program Roadmap Part Time**

Career Opportunities

Information on careers, including salary and employment outlook data, is available at Minnesota State and the Bureau of Labor Statistics websites: **careerwise.minnstate.edu** and **www.bls.gov.**

Transfer Information

If you are planning on transferring to another institution, follow the guidelines available on our transfer resources web page to help you plan the process: **Transfer Information**

Degree Information

The Associate of Science (A.S.) degree is intended for students whose primary goal is to complete the credentials for a specific career and/or prepare for transfer to complete a bachelor's degree at a college or university with whom North Hennepin Community College has an articulation agreement. The A.S. degree provides a balance of general education courses and the required scientific, professional or technical courses in the degree program.

A student shall:

- Earn a minimum of 60 semester credits as required in the program, with a grade point average of 2.00 (C) or above in courses taken at North Hennepin Community College. Specific programs may have additional requirements or a higher minimum grade point average.
- Earn a minimum of 15 semester credits at North Hennepin Community College. A student must complete at least 50% of career specific courses at North Hennepin Community College.
- Earn 30 credits in at least 6 Minnesota Transfer Curriculum (MnTC) goal areas.
- Earn 30 professional/technical credits.
- Have four years to complete the graduation requirements as published in the catalog in effect at the time of their initial enrollment. Students taking more than four years to complete their graduation requirements may follow any catalog published during the four year period preceding their graduation.

Completion of an A.S. degree fulfills the Goal Area 2 requirement of the Minnesota Transfer Curriculum (MnTC).

Developmental Courses Some students may need preparatory course(s) in Math and/or English. Courses numbered below 1000 will not apply toward a degree.

Equal Opportunity Employer and Disability Access Information North Hennepin Community College is a member of Minnesota State Colleges and Universities system and an equal opportunity employer and educator. This document is available in alternative formats to individuals with disabilities by calling 7634930555 or through the Minnesota Relay Service at 18006273529.

Accreditation

North Hennepin Community College is accredited by the:
Higher Learning Commission of the North Central Association of Colleges and Schools
30 N. LaSalle Street, Suite 2400
Chicago, IL 60602-2504
1-800-621-7440
