

Construction Technology AS

The Construction Technology AS program prepares students for technical and supervisory positions in the construction of commercial, industrial, and civil buildings and structures. Students must be currently in, or have completed, a state of MN registered apprenticeship in order to be eligible for this program.

Construction Technology Curriculum

Curriculum

Program Courses 14-27 Credits (dependent on union)

Course Code	Title	Course Outlines	Goal Areas	Credits
CMSV 1500	Construction Technology I	View-CMSV 1500	n/a	5
CMSV 1550	Construction Technology Field Experience	View-CMSV 1550	n/a	4
CMSV 1600	Construction Technology II	View-CMSV 1600	n/a	5
CMSV 1650	Construction Technology Field Experience II	View-CMSV 1650	n/a	4
CMSV 1700	Construction Technology III	View-CMSV 1700	n/a	5
CMSV 1750	Construction Technology Field Experience III	View-CMSV 1750	n/a	4

General Education Courses

Course Code	Title	Course Outlines	Goal Areas	Credits
COMM 1110	Principles of Interpersonal Communication	View-COMM 1110	n/a	3
ECON 1070	Principles of Microeconomics	View-ECON 1070	n/a	3
ENGL 1940	Technical Writing	View-ENGL 1940	n/a	3
HIST 1230	U.S. Labor History	View-HIST 1230	n/a	3
MATH 1120	College Algebra or	View-MATH 1120	n/a	3
MATH 1150				
PSYC 1150	General Psychology	View-PSYC 1150	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	4
1 course from CHEM1010, PHYS1000, PHYS1030, EEVS1100				
CHEM 1010	Introduction to Chemistry or	View-CHEM 1010	n/a	4
EEVS 1100	Physical Geology or	View-EEVS 1100	n/a	4
PHYS 1000	Conceptual Physics or	View-PHYS 1000	n/a	4
PHYS 1030	Introduction to Physical Sciences	View-PHYS 1030	n/a	4
1 course from PHIL1020, PHIL1200				
PHIL 1020	Ethics or	View-PHIL 1020	n/a	3
PHIL 1200	Environmental Philosophy	View-PHIL 1200	n/a	3

Program Technical Electives 3-16 Credits

Course Code	Title	Course Outlines	Goal Areas	Credits
CMSV 1000	Construction Professionalism Seminar	View-CMSV 1000	n/a	4
CMSV 1200	Construction Graphics	View-CMSV 1200	n/a	3
CMSV 1300	Legal Aspects of Construction	View-CMSV 1300	n/a	3
CMSV 2100	Soils and Concrete Technology	View-CMSV 2100	n/a	3
CMSV 2200	Construction Quality Assurance and Quality Control	View-CMSV 2200	n/a	4
CMSV 2870	Construction Management	View-CMSV 2870	n/a	3
CMSV 2875	Mechanical and Electrical Systems	View-CMSV 2875	n/a	4
CMSV 2885	Construction Estimating	View-CMSV 2885	n/a	4
CMSV 2890	Building Organization and Technology	View-CMSV 2890	n/a	3
CMSV 2900	Construction Scheduling	View-CMSV 2900	n/a	3

MnTC Electives - to reach 30 MnTC credits and 60 total credits

[Additional MnTC Courses \(if needed to meet 60 total credits\)](#)

Total Credits Required

60

Program Overview

2023-2024

This program will prepare students for technical and supervisory positions in the construction of commercial, industrial and civil buildings and structures. The curriculum combines the technical knowledge and skills of building construction with key courses in applied management necessary to manage complex construction projects.

Program Maps

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

- [Construction Technology AS Program Roadmap Full Time](#)
 - [Construction Technology AS Program Roadmap Part Time](#)
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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 (hlcommission.org), an institutional accreditation agency recognized by the U.S. Department of Education.

30 N. LaSalle Street, Suite 2400

Chicago, IL 60602-2504

1-800-621-7440
