

Cert: Construction Management

2021-2022

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. The certificate in Construction Management is designed to build upon the A.S. degree in Construction Management and articulate to Minnesota State at Moorhead's B.S. in Construction Management Degree.

Program Courses

Course No.	Course Title	Credits
ACCT2111	Financial Accounting	4
BUS1810	Entrepreneurship	4
BUS2200	Principles of Management	3
BUS2600	Principles of Marketing	3
CMSV1200	Construction Graphics	3
CMSV1300	Legal Aspects of Construction	3
CMSV2870	Construction Management	3
CMSV2885	Construction Estimating	4
CMSV2900	Construction Scheduling	3
NHCC Residency and GPA		
Course No.	Course Title	Credits
10 Credits must be earned at NHCC:		
2.00 overall GPA for NHCC courses		

Total Credit Required 30

Degree Requirements

2.00 overall GPA for NHCC courses

Program Outcomes

- Develop a foundation of essential knowledge about the cultural, social, and natural worlds, and individual well-being.
- 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 first-hand 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

Gainful Employment Program Information

[Construction Management](#)

Degree Information

Certificates may be earned for successful completion of courses in a specialized program of study with a minimum grade point average of 2.00 (C). A certificate shall include 9 to 30 semester credits. At least one-third of the total credits required for each certificate must be completed at North Hennepin Community College.

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 763-493-0555 or through the Minnesota Relay Service at 1-800-627-3529.

Career Opportunities

Information on careers, including salary and employment outlook data, is available on the [iSeek](#) and Bureau of Labor Statistics websites: <https://careerwise.minnstate.edu/careers/> and www.bls.gov.

Accreditation

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

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](#)

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