Cert: Application

Programming 2021-2022

The Application Programming Certificate helps students to build and develop an understanding for designing, coding, testing and debugging applications in various programming languages.

Program Courses

1 10g1am Courses			
Course No.	Course Title	Credits	
Program Courses - 12 credits:			
CSCI1120	Programming in C/C++or	4	
CSCI1130	Introduction to Programming in Java (CS0) or	4	
CSCI1150	Programming in C# for .NET or	4	
CSCI2001	Object Oriented Programming (CS1) or	4	
CSCI2002	Data Structures and Algorithms (CS2) or	4	
CSCI2020	Computer Architecture or	4	
CSCI2060	Web Programming in ASP.NET	4	

NHCC Residency and GPA

Course No.	Course Title	Credits		
4 Credits must be earned at NHCC:				
2.00 overall GPA	for NHCC courses			

Total Credit Required 12

Degree Requirements

2.00 overall GPA for NHCC courses

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.

Program Outcomes

Knowledge of Human Cultures and the Physical and Natural World, including:

Writing programs to handle a specific job, such as a program to track inventory within an
organization.

Intellectual and Practical Skills, including:

- Revising existing software to improve performance. Customizing generic applications for specific tasks
- Writing custom web applications.
- Differentiating requirements of application programming from system programming.

Career Opportunities

Information on careers, including salary and employment outlook data, is available on the iseek and Bureau of Labor Statistics websites: https://careerwise.min.nstate.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: www.nhcc.edu/transfer

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