Cert: Internet Programming
2021-2022

The Internet Programming Certificate concentrates on the methodological and technical aspects of software design and programming. The students will acquire expertise in software design, coding and testing in addition to essentialknowledge of development methodology. To assure their success in the work place, students will learn how design and then program robust, interactive programs conforming to industry standards. The students will get sufficient knowledge to enter the job market related to Web development.

Program Courses

Course No.	Course Title	Credits
Program Courses - 19 credits:		
CSCI1020	Beginning Web Page Programming *or*	1
CSCI1025	Responsive Web Design *or*	1
CSCI1030	Programming for Internet *or*	3
CSCI1040	Fundamentals of Structured Query Language (SQL) *or*	3
CSCI1130	Introduction to Programming in Java (CS0) *or*	4
CSCI1150	Programming in C# for .NET *or*	4
CSCI1990	Topics: *or*	1
CSCI2001	Object Oriented Programming (CS1) *or*	4
CSCI2011	Programming in Python *or*	1
CSCI2030	Database Modeling and Design *or*	4
CSCI2060	Web Programming in ASP.NET	4

NHCC Residency and GPA

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

Total Credit Required 19

Degree Requirements

2.00 overall GPA for NHCC courses

Program Outcomes

Knowledge of Human Cultures and the Physical and Natural World, including: Designing appealing and functionaluser interfaces

Intellectual and Practical Skills, including: How to program in JavaHow to design and deploy a Web site

Specifics of programming Internet-based applications and services How to porgram ASP.NET-based Web sitesutilizing C# language

How to handle the data associated with Web applications and services

Degree Information

Certificates may be earned for successful completion of courses in a specialized program of study with a minimumgrade 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 notapply 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 anequal opportunity

employer and educator. This document is available in alternative formats to individuals with disabilities by calling763-493-0555 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 ofLabor 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 resourcesweb page to help you plan the process: Transfer Information

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