Internet Programming Certificate

The Internet Programming Certificate concentrates on the methodological and technical aspects of software design and programming. Students acquire expertise in software design, coding, and testing, in addition to essential knowledge of development methodology.

Internet Programming Curriculum

Curriculum

Program Courses

Course Code	Title	Course Outlines	Goal Areas	Credits
Program Courses - 19 credits				
CSCI 1020	Beginning Web Page Programming **or**	**View-CSCI 1020**	n/a	1
CSCI 1025	Responsive Web Design **or**	**View-CSCI 1025**	n/a	1
CSCI 1030	Programming for Internet **or**	**View-CSCI 1030**	n/a	3
CSCI 1040	Fundamentals of Structured Query Language (SQL) **or**	**View-CSCI 1040**	n/a	3
CSCI 1130	Introduction to Programming in Java (CS0) **or**	**View-CSCI 1130**	n/a	4
CSCI 1150	Programming in C# for .NET **or**	**View-CSCI 1150**	n/a	4
CSCI 1990	Computer Science Special Topics **or**	**View-CSCI 1990**	n/a	1-4
CSCI 2001	Object Oriented Programming (CS1) **or**	**View-CSCI 2001**	n/a	4
CSCI 2011	Programming in Python **or**	**View-CSCI 2011**	n/a	1
CSCI 2030	Database Modeling and Design **or**	**View-CSCI 2030**	n/a	4
CSCI 2060	Web Programming in ASP.NET	**View-CSCI 2060**	n/a	4

NHCC Residency and GPA

6 Credits must be earned at NHCC

Total Credits Required	**19**

Program Overview

2024-2025

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 essential knowledge of development methodology. To ensure their success in the workplace, students will learn how to 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 Outcomes

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

- Designing appealing and functional user interfaces

Intellectual and Practical Skills, including:

- How to program in Java
- How to design and deploy a Web site
- Specifics of programming Internet based applications and services
- How to program ASP.NETbased Websites utilizing C# language
- How to handle the data associated with Web applications and services

Career Opportunities

Information on careers, including career descriptions, salary data, and employment outlook is available on the **Bureau of Labor Statistics website** and **O*Net Online website.**

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

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 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.
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