COMPUTER SCIENCE: WEB DEVELOPMENT, AAS

Program code: CSWD-AAS

Location: Gateway, Housatonic, Norwalk

Program Description

This program prepares students for technical positions within the Computer Science field. It provides students with the skills needed to be successful in the field of Web Development. The program teaches students fundamental concepts as well as fosters preparation for tomorrow's web development needs. Course work is focused on programming in heterogeneous platform environments through multiple programming languages, essential design skills and tools, and development of both written and verbal communication skills needed in all areas of the business community.

Learning Outcomes

Upon successful completion of all major requirements, graduates will be able to:

1. Create web sites and programs that function in heterogeneous environments;
2. Use an integrated development environment (IDE) to create web sites and other programs;
3. Use OOP (object-oriented programming) techniques to design and develop software;
4. Create effective User Interfaces and User Experiences;
5. Write and execute code in Object Oriented programming languages;
6. Test web pages and web sites and troubleshoot any problems;
7. Design and implement relational database entities;
8. Use database software to build, modify, and query relational databases;
9. Produce websites using modern techniques.

Degree Requirements

Code	Title	Credits
General Education Courses		
ENG 1010	Composition	3
MATH 1600	College Algebra (or higher)	3-4
Elective ARHX - Arts & Humanities Course		3-4
Elective SCRX - Scientific Reasoning Course or Elective SCKX - Scientific Knowledge Course		3-4
Elective SBSX - Social / Behavioral Science Course or Elective HISX - Historical Knowledge Course		3
COMM 1301	Public Speaking	3
CCS 1001	College and Career Success	3
Program Courses		
ART 1210	Two-Dimensional Design	3
GRA 1501	Graphic Design I	3
GRA 2301	Digital Imaging II	3
CSC 1201	Introduction to Programming	4
CSC 1231	Database Development and Design I	4
CSC 1271	Web Development and Design I	4
CSC 2213	Object Oriented Programming	4
CSC 2252	Programming Mobile Devices I	3
CSC 2272	Web Development and Design II	4
CSC 2275	Web Development With PHP	4
CSC 2253	Programming Mobile Devices II	3
Total Credits		**60-63**

There are four Associate degree options within Computer Science. Students may earn only one degree but can earn additional certificates.

- Computer Science: Mobile Programming, AAS
- Computer Science: Relational Database Development Certificate
- Computer Science: Smartphone Application Development
- Computer Science: Software Development
- Computer Science: Software Engineering, AAS
- Computer Science: Web Developer Certificate