

INFORMATION TECHNOLOGY, WEB PROGRAMMING, CERTIFICATE OF COMPETENCY (CSWP)

The Web Programming Certificate is intended to prepare students to be an entry-level web developer or for further study in computer programming or web development. A junior-level web developer works within a team to create the vision for a client's website often utilizing design skills, HTML, CSS and jQuery. It is the job of the junior-level programmer to develop, troubleshoot and debug software programs. The Web Programming certificate emphasizes the more popular object-oriented programming languages as well as web development tools and techniques used in business today.

In compliance with Title 34 Code of Federal Regulations 668.6 of the Higher Education Act of 2008, click here (<http://extranet.dccc.edu/gainful-employment/CSWP/Gedt.html>) to obtain information about tuition and fees, and other information associated with Delaware County Community College Gainful Employment Programs.

Program Outcomes

Upon successful completion of this program, students should be able to:

- Apply analytical skills to assess how to solve problems.
- Apply the process of software development including design, implementation, documentation and testing.
- Develop web applications using industry standard development tools, techniques, scripting and mark-up languages.
- Demonstrate a working knowledge of standard HTML, CSS and responsive web design.

Curriculum

The College will award a certificate of competency to students who complete an approved credit-bearing career program that requires less than 30 credits. General education courses may not be required for programs that have less than 30 credits. The student must have a cumulative GPA of 2.0 or higher. At least six credit hours must be in courses that are awarded grade points.

Course	Title	Hours
First Semester		
DPR 101	Introduction to Computer Science	3
	Hours	3
Second Semester		
DPR 104	Introduction to Java Programming	3
IMM 120	Web Page Design and Development	3
	Hours	6
Third Semester		
DPR 214	jQuery/JavaScript	3
DPR 204	Intermediate Java Programming	3
DPR 241	Mobile Web Development	3
	Hours	9
	Total Hours	18