

Web Technologies (A25290)

The Web Technologies curriculum prepares graduates for careers in the information technology arena using computers and distributed computing to disseminate and collect information via the web.

Course work in this program covers the terminology and use of computers, network devices, networks, servers, databases, applications, programming languages, as well as web applications, site development and design. Studies will provide opportunity for students to learn related industry standards.

Graduates should qualify for career opportunities as designers, administrators, or developers in the areas of web applications, websites, web services, and related areas of distributed computing.

Degree Awarded

The Associate in Applied Science Degree – Web Technologies is awarded by the College upon completion of this program.

Admissions

- A high school diploma or equivalent is required to enter the program, and an official copy must be on file at the College.
- Skills and proficiencies should be developed in writing, math, computer literacy, and science.
- CPCC placement tests are required in English and mathematics. Developmental studies mathematics and English courses are available for students to build basic skills and knowledge.
- A counseling/orientation appointment follows placement testing.

Contact Information

The Web Technologies program is in the Information Technologies Division. For more information, call 704.330.6549 or visit us at www.cpcc.edu/it

Major and Related Course Requirements

	Class	Lab	Hours Clinical	Work Exper.	Credits
CIS 115 Introduction to Programming and Logic	2	2	0	0	3
DBA 110 Database Concepts	2	3	0	0	3
NOS 110 Operating System Concepts	2	3	0	0	3
SEC 110 Security Concepts	3	0	0	0	3
WEB 110 Internet/Web Fundamentals	2	2	0	0	3
WEB 115 Web Markup and Scripting	2	2	0	0	3
WEB 120 Intro to Internet Multimedia	2	2	0	0	3
WEB 140 Web Development Tools	2	2	0	0	3
WEB 210 Web Design	2	2	0	0	3
WEB 230 Implementing Web Serv.	2	2	0	0	3
WEB 250 Database Driven Websites	2	2	0	0	3
CIS 110 Introduction to Computers	2	2	0	0	3
CTS 115 Information Systems Business Concepts	3	0	0	0	3
NET 110 Networking Concepts	2	2	0	0	3
WEB 119 Web Tech. Program Orientation	1	2	0	0	2
WEB 287 Web E-Portfolio	1	2	0	0	2
Technical Electives					6

Students must complete a minimum of 6 SHC of electives. Please see the Program Chair for a list of approved elective courses.

General Education Requirements

ENG 111 Expository Writing	3	0	0	0	3
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ENG 112 Argument-Based Research	3	0	0	0	3
OR					
ENG 113 Literature-Based Research	3	0	0	0	3
OR					
ENG 114 Professional Research & Reporting	3	0	0	0	3
COM 110 Introduction to Communication	3	0	0	0	3
OR					
COM 120 Interpersonal Communication	3	0	0	0	3
OR					
COM 231 Public Speaking	3	0	0	0	3

Mathematics

3

Students must select a minimum of three (3) approved mathematics courses from the list at the end of this section of the catalog.

Humanities/Fine Arts

3

Students must select a minimum of three (3) approved humanities/fine arts courses from the list at the end of this section of the catalog.

Social/Behavioral Sciences

3

Students must select a minimum of three (3) approved social/behavioral sciences courses from the list at the end of this section of the catalog.

Total Credit Hours

70

Web Technologies Certificates (C25290)

Web Technologies Certificate Specialization in Internet Technologies (C25290-C1)

Major and Related Course Requirements

	Class	Lab	Hours Clinical	Work Exper.	Credits
WEB 119 Web Tech Program Orientation	1	2	0	0	2
CIS 110 Introduction to the Computer	2	2	0	0	3
WEB 110 Introduction to the Internet	2	2	0	0	3
WEB 115 Web Markup & Scripting	2	2	0	0	3
WEB 140 Web Development Tools	2	2	0	0	3
Total Credit Hours					14

Web Technologies Certificate Specialization in Internet Databases (C25290-C2)

Major and Related Course Requirements

	Class	Lab	Hours Clinical	Work Exper.	Credits
WEB 110 Introduction to the Internet	2	2	0	0	3
DBA 110 Introduction to Databases	2	2	0	0	3
CIS 115 Intro to Programming & Logic	2	3	0	0	3
WEB 186 XML Technology	2	2	0	0	3
WEB 250 Intro to Database-Driven Websites	2	2	0	0	3
Total Credit Hours					15

Web Technologies Certificate Specialization in Internet Media (C25290-C3)

Major and Related Course Requirements

	Class	Lab	Hours Clinical	Work Exper.	Credits
WEB 110 Introduction to the Internet	2	2	0	0	3
WEB 111 Introduction to Web Graphics	2	2	0	0	3
WEB 120 Intro to Internet Multimedia	2	2	0	0	3
WEB 140 Web Development Tools	2	2	0	0	3
Total Credit Hours					12

Web Technologies Certificate Specialization in Emerging Internet Technologies (C25290-C9)

Major and Related Course Requirements

	Class	Lab	Hours Clinical	Work Exper.	Credits
WEB 119 Web Tech Program Orientation	1	2	0	0	2
WEB 110 Introduction to the Internet	2	3	0	0	3
CIS 115 Intro to Programming & Logic	2	3	0	0	3
WEB 285 Emerging Technologies	2	2	0	0	3
WEB 289 Internet Technology Project	1	4	0	0	3
Total Credit Hours					14

Web Technologies Certificate Specialization in Web Design (C25290-12)

Major and Related Course Requirements

	Class	Lab	Hours Clinical	Work Exper.	Credits
WEB 119 Web Tech Program Orientation	1	2	0	0	2
WEB 110 Introduction to the Internet	2	2	0	0	3
WEB 140 Web Development Tools	2	2	0	0	3
WEB 210 Web Design	2	2	0	0	3
WEB 260 Intro to E-commerce	2	2	0	0	3
Total Credit Hours					14