

# WEB DEVELOPMENT AND DESIGN, Certificate Program - 1450

CIP Code: 11.0801

## Technology Division

The Web Development and Design certificate program provides skills and knowledge needed for a rewarding career designing and developing enterprise level web sites and applications. All students gain a foundation in web site development and design, various web technologies, and web marketing. Students then choose either a developer or designer option. Developer graduates focus on programming to build and maintain interactive, data driven web applications. Designer graduates focus on making creative content using rich media.

## Career Opportunities

Graduates may obtain positions with many different businesses, government agencies, and web consulting firms as Web developers, Web designers, Webmasters, Web architects, programmers, and other related positions.

(SOC Code: 15-1051 Computer Systems Analyst)

Link to Occupational profiles on O\*NET <http://www.onetcodeconnector.org/>

Application and Admission information <http://www.hacc.edu/StudentServices/Registrar/HowtoApplyandRegister/index.cfm>

## Competency Profile

This curriculum is designed to prepare students to:

- Design high quality web pages for a variety of uses
- Develop web applications that integrate programming, databases, and markup languages for business and electronic commerce
- Implement and maintain web sites that are effective in terms of cost, security, and reliability
- Configure web servers and operating systems
- Publish information on the Internet and Intranets
- Create interactive and multimedia content for marketing
- Manage Internet communication for organizations
- Make cost-effective decisions regarding Internet technology, software, and hardware

## PROGRAM REQUIREMENTS (TOTAL CREDITS = 36)

General Education	Major	Other Required Courses
	AOS 202 Project Management <b>or</b>	
	MGMT 227 Project Management	3
	WEB 110 Web Site Publishing	3
	WEB 125 HTML, XML, and JavaScript	3
	WEB 130 Web Design and Multimedia	3
	WEB 143 Web Application Development	3
	WEB 268 Capstone Web Project	<u>3</u>
		18
<b>Developer Option</b>		<b>Designer Option</b>
CIS 245 Database Programming	3	WEB 133 Web Design Theory <b>or</b>
WEB 126 XML eXtensible Markup Language	3	ART 105 Fundamentals of Two-Dimensional Design
WEB 240 JavaScript Programming	3	WEB 135 Web Design with Raster Images <b>or</b>
WEB 253 ASP.NET Active Server Pages	3	ART 176 Digital Photo Imaging
WEB 260 Web Server Administration <b>or</b>		WEB 138 Web Design with Vector Images <b>or</b>
CIS 223 Intermediate Windows Servers <b>or</b>		ART 108 Fundamentals of Computer Art
CIS 264 Fundamentals of LINUX Administration <b>or</b>		WEB 230 Web Design Animation <b>or</b>
CIS 265 Fundamentals of UNIX Administration	3	WEB 233 Web Multimedia Production
Programming Elective*	<u>3</u>	WEB 121 Electronic Commerce <b>or</b>
	18	MKTG 235 Internet Marketing <b>or</b>
		MKTG 201 Principles of Marketing
		Design Elective (Any Web course)
		<u>3</u>
		18

\*Select from: WEB 247, 255, 256; CIS 238, or CPS 121

Program Costs: \$10,680.00

<http://www.hacc.edu/FinancialAid/FinancialAidBasics/Cost-of-Attendance.cfm>

On-time Completion Rate: 0%

Job Placement Rate:

Median Federal Loan Debt: \$0

Median Alternative Loan Debt: \$0

6/29/2011