

## Accessible Web Design

The Accessible Web Design certificate will equip individuals with the knowledge, skills, and experience required to create, design, and develop Web sites which are fully accessible to individuals with disabilities. The certificate was designed for working professionals to broaden or update existing skills or for those seeking to develop basic skills in accessible Web design. The courses provide the opportunity to learn techniques and industry standards for designing Web sites in accordance with universal Web design standards and Web Accessibility Guidelines as defined in Section 508 of the Rehabilitation Act.

Courses for this certificate may be applied toward an associate's degree.

Courses in each level (Foundation and Core) must be completed prior to advancing to the next level. Where more than one course is offered within a level, courses may be taken in any sequence.

<b>Rubric/Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<i><u>Foundation Course(s):</u></i>		
WEB 1600	Web Design I: Introduction to Web Design	3
<i><u>Core Course(s):</u></i>		
WEB 2010	Web Design II: Design Fundamentals	3
WEB 2120	Audio/Video for the Web	3
WEB 2401	Accessible Web Design and Compliance	3

## E-Commerce Design

Today, e-commerce sites depend on a multitude of factors to determine their success. The E-Commerce Design certificate provides an overview of e-commerce and Web page design for use in marketing and selling online. The courses provide techniques to plan and to design a platform-independent commerce Web site. They focus on web business strategies, the hardware and software tools necessary for Internet commerce, comparison and selection of commerce architecture, security considerations, and the planning of a complete business-to-consumer and business-to-business site.

Courses for this certificate may be applied toward an associate's degree.

Courses in each level (Foundation and Core) must be completed prior to advancing to the next level. Where more than one course is offered within a level, courses may be taken in any sequence.

<b>Rubric/Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<i><u>Foundation Course(s):</u></i>		
WEB 1600	Web Design I: Introduction to Web Design	3
<i><u>Core Course(s):</u></i>		
WEB 2010	Web Design II: Design Fundamentals	3
WEB 2220	E-Commerce	3
WEB 2603	Server-Side Web Development (PHP/ASP)	3

## Mobile Web Design

The Mobile Web Design certificate equips individuals with the knowledge, skills, and experience required to create, design, and develop Web sites for mobile devices (e.g., smartphones, handheld devices). The certificate provides students the opportunity to use WML, XHTML, and CSS to create mobile content with particular emphasis on interface design, usability, and aesthetic style. Students learn to author and design sites that comply with current standards, guidelines, and regulations pertaining to small screens and mobile technology. With the increasing popularity of mobile computing, Web designers realize that they must develop skill in producing and/or redesigning mobile Web sites.

Courses for this certificate may be applied toward an associate's degree.

Courses in each level (Foundation and Core) must be completed prior to advancing to the next level. Where more than one course is offered within a level, courses may be taken in any sequence.

<b>Rubric/Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<i><u>Foundation Course(s):</u></i>		
WEB 1600	Web Design I: Introduction to Web Design	3
<i><u>Core Course(s):</u></i>		
WEB 2010	Web Design II: Design Fundamentals	3
<i><u>Advanced Course(s):</u></i>		
WEB 2300	JavaScript	3
WEB 2700	Web Design for Mobile Devices	3

## Web Design Tools

The Web Design Tools certificate equips individuals with the knowledge and skills required to create, design, and develop Web sites using industry standard software. Industry-standard Web design tools (Photoshop, Dreamweaver, Fireworks, Flash, and Acrobat) are covered. As versions of software change, so does the increased knowledge needed to skillfully navigate and employ the new features and concepts. Students walk away with the ability to design graphic-filled Web sites, to use animation, and to understand how and when to add audio/video for the Web.

Courses for this certificate may be applied toward an associate's degree.

<b>Rubric/Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<u>Core Course(s):</u>		
WEB 2000	Dreamweaver/Fireworks	3
WEB 2110	Flash	3
MDT 2100	Photoshop	3
WEB 2120	Audio/Video for the Web	3
WEB 2703	Adobe Acrobat	1

## Web Page Authoring

The Web Page Authoring certificate is designed for students who wish to learn how to write and code (author) Web page content. Students will learn about Web design, HTML, and Cascading Style Sheets (CSS) and how to create sites both manually and through the use of Web site development software. With the introduction of HTML5 and CSS3, even seasoned Web professionals need a refresher course in the new Web standards. The Web Page Authoring certificate provides a tool set necessary for a successful career as a Web page content designer.

Courses for this certificate may be applied toward an associate's degree.

Courses in each level (Foundation and Core) must be completed prior to advancing to the next level. Where more than one course is offered within a level, courses may be taken in any sequence.

<b>Rubric/Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<i><u>Foundation Course(s):</u></i>		
WEB 2110	Flash	3
WEB 2300	JavaScript	3
<i><u>Core Course(s):</u></i>		
WEB 2603	Server-Side Programming (PHP/ASP)	3
WEB 2115	Advanced Flash	3