

WEB DEVELOPMENT

design.missioncollege.edu

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Web Development: Certificate of Achievement (CA)

Web Development Businesses, schools, community groups and other organizations all need a presence on the web, and the need for skilled web developers continues with the increasing volume of online content. Web developers are critical to creating and maintaining this online content. This certificate focuses on the scripting and programming used on the web. A web developer may focus on the back end or server-side of web delivery to ensure that a website functions correctly and efficiently, or on the front end helping to create interactions for users.

Program Learning Outcomes:

- Develop front end code for interactive websites using technologies and languages including HTML, CSS, JavaScript and related front-end frameworks.
- Identify, explain, and apply current technologies in back-end web development such as SQL, CMS Systems, and back-end frameworks as applied to the creation of websites.

Career/Transfer Opportunities:

Career opportunities include the following: front-end web development, back-end web development, content management, web production, information architecture, application development, and mobile development.

To earn this certificate, students must complete the minimum required courses with a grade of C (or P) or better.

Core Requirements (12 units): Complete all of the following.

		Units
GDS 045	Web Design and Development 1	3.0
GDS 046	Web Design and Development 2	3.0
GDS 089	JavaScript 1	3.0
GDS 089B	JavaScript 2 and Web Development	3.0

Electives (minimum 9 units): Complete a minimum of nine units from the following.

		Units
GDS 047	Web Animation	3.0
GDS 049	WordPress and Content Management Systems	3.0
GDS 051	Mobile Application and Web Development with Web Standards	3.0
CIS 001	Introduction to Computer Science and Technology	4.0
CIS 007	Python Programming	4.0
CIS 008	Advanced Python Programming	4.0
CIS 037A	Introduction to C Programming	4.0
CIS 040	C++ Programming	4.0
CIS 044	Introduction to Data Structures Using Java	4.0
CIS 045	Linux Essentials I	4.0
CIS 047	Linux System Administration	4.0
CIS 043	Software Development with Java	4.0
CIS 055	Database Management Systems I	3.0
CIS 056	Database Management Systems II	3.0
CIS 063	Mobile Apps Programming - Android	4.0

Total Required Units:

21.0-22.0

