

PROGRAMS

GRAPHIC DESIGN: WEB DEVELOPER - CERTIFICATE

Web Developer Certificate

- [Graphic Design & Multimedia Department](#)
 - [All Graphic Design & Multimedia Courses](#)
- [Register via Mission Portal](#)

Graphic Design: Web Developer - Certificate

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.

Possible careers include Front-end Web Developer or Back-end Web Developer. Upon successful completion of the certificate, students will be able to develop front end code for interactive websites using technologies and languages including HTML, CSS, and JavaScript, and apply current technologies in back end web development such as MySQL, PHP and CMS Systems.

The classes in the core requirements should be taken in the general order that they are listed.

Program Learning Outcomes

- Students will develop front end code for interactive websites using technologies and languages including HTML, CSS, and JavaScript.
- Students will be able to identify, explain, and apply current technologies in back end web development such as MySQL, PHP and CMS Systems as applied to the creation of websites.

Meet the Following Requirements

1. Complete all required certificate courses with a C (or P) or better.
2. Complete at least 1/3 of the program courses at Mission College to establish residency.

Notes

- *Requirements here apply to the current catalog year and are subject to change. Visit DegreeWorks in [My Mission Portal](#) to view requirements based your catalog year.*
- *Not all classes are offered each semester.*

Required Core Courses

| Code | Class | Units |
|----------|---|-------|
| GDS 045 | Web Design and Development 1 (2.0 Lecture/1.0 Lab) | 3.0 |
| GDS 046 | Web Design and Development 2 (2.0 Lecture/1.0 Lab) | 3.0 |
| GDS 089 | Javascript 1 (2.0 Lecture/1.0 Lab) | 3.0 |
| GDS 089B | JavaScript II and Web Development (2.0 Lecture/1.0 Lab) | 3.0 |

Plus, Select Additional Courses to Complete the Required Minimum Total of 21.0 Semester Units (Minimum of 9.0 Units)

| Code | Class | Units |
|---------|---|-------|
| GDS 047 | Web Animation (2.0 Lecture/1.0 Lab) | 3.0 |
| GDS 049 | Wordpress and Content Management System (2.0 Lecture/1.0 Lab) | 3.0 |
| CIS 001 | Introduction to Computer Science and Technology (3.0 Lecture/1.0 Lab) | 4.0 |
| CIS 007 | Python Programming (3.0 Lecture/1.0 Lab) | 4.0 |
| CIS 008 | Advanced Python Programming (3.0 Lecture/1.0 Lab) | 4.0 |
| CIS 043 | Software Development With Java Programming (3.0 Lecture/1.0 Lab) | 4.0 |

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| Code | Class | Units |
|----------|---|-------|
| GDS 051 | Mobile Application and Web Development With Web Standards (2.0 Lecture/1.0 Lab) | 3.0 |
| CIS 055 | Database Management Systems I (2.5 Lecture/0.5 Lab) | 3.0 |
| CIS 056 | Database Management Systems II (2.5 Lecture/0.5 Lab) | 3.0 |
| CIS 037A | Introduction to C Programming (3.0 Lecture/1.0 Lab) | 4.0 |
| CIS 040 | C++ Programming (3.0 Lecture/1.0 Lab) | 4.0 |
| CIS 044 | Intro to Data Structures Using Java (3.0 Lecture/1.0 Lab) | 4.0 |
| CIS 045 | Linux Essentials I (3.0 Lecture/1.0 Lab) | 4.0 |
| CIS 047 | Linux System Administration (3.0 Lecture/1.0 Lab) | 4.0 |
| CIS 063 | Mobile Apps Programming - Android (3.0 Lecture/1.0 Lab) | 4.0 |

Units Required

| | Units |
|----------------------|-------------|
| Total Required Units | 21.0 - 22.0 |