MPC

Applied Technology

Software Development

5
Classes
TO CERTIFICATE

40%
JOB GROWTH
App Developer

31%
WEB DEVELOPERS WITH
Associates Degree

$39.17
AVERAGE HOURLY WAGE
Web Developer

Program Overview

Software developers tell computers and other devices what to do using rules and instructions in code. Students in the Software Development program master the fundamentals of programming in both structured and object-oriented contexts across several different languages; work with techniques of abstraction, algorithms, and data structures; and develop readable, maintainable, and efficient moderately sized programming solutions.

Job Outlook

Many aspects of everyday life now involve interactions with software, and as a result, developers are in demand. Job growth statewide is projected at anywhere from 13% to 40% through 2026, depending on the specialty. Graduates have the practical skills to pursue immediate entry-level employment, which can help fund further study in computer science or computer engineering. The program is also valuable for post-graduates interested in retooling their careers for entry into fields that require programming skills such as data science.

CAREERS

*Web Developers
$42,160 - $153,970

*Web Administrators
$48,850 - $168,020

*Application Developers
$54,494 - $93,849

*Software Developers
$77,840 - $197,470

*App Development Supervisors
$108,906 - $165,646

* Requires additional training
Source: Bureau of Labor Statistics (CA data) and Salary.com

spotlight
related degree program

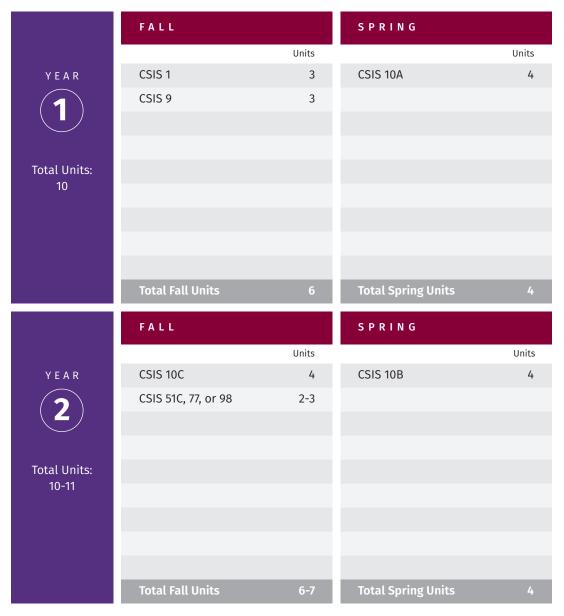CSU Monterey Bay offers a BS in Computer Science with a software engineering concentration.

Software Development

Suggested Course Sequence

YEAR 1

Total Units: 10

FALL	Units
CSIS 1	3
CSIS 9	3
Total Fall Units	**6**

SPRING	Units
CSIS 10A	4
Total Spring Units	**4**

YEAR 2

Total Units: 10-11

FALL	Units
CSIS 10C	4
CSIS 51C, 77, or 98	2-3
Total Fall Units	**6-7**

SPRING	Units
CSIS 10B	4
Total Spring Units	**4**

This is a suggested sequence of coursework and is one pathway for students to earn their degree/certificate. This is not an official educational plan. A counselor is able to assist you with creating a personalized education plan based on your academic, career, and personal goals. For more information about counseling and up-to-date program requirements, please visit www.mpc.edu/counseling.

> *The Math track is important for developing useful and quick algorithms, while classes like Java and Python helped solidify my basics and navigate through industry code more easily so I wouldn't get lost. Overall, MPC taught me what I needed to learn to be successful in my career.*

Israel Fernandez
MPC Graduate
Computer Science

Monterey Peninsula College (MPC) is a fully accredited California public community college. The college is known for the excellence of its academic programs and student support services.

Campus Locations
Monterey
Marina
Seaside
Online

Website
www.mpc.edu/csis

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MONTEREY PENINSULA
College