



SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

Computer Science

2
Years

TO TRANSFER

#1

TOP EARNING

College Major

15%

JOB GROWTH

Computer Scientists

8,945

PROGRAMMING LANGUAGES

Created Over Time

Program Overview

Computer Science is bigger than code; it's about creative problem solving. Students learn how to model real-life situations using the formal tools of symbolic logic, and then develop, implement, test, and debug programs using structured and object-oriented design principles. They write programs using data structures and gain experience using assembly language. Graduates attain sufficient understanding, skills, and applications to attain upper division status in computer science at a California State University, as majors in computer science, software engineering, or game programming.

Job Outlook

Computer scientists are in high demand: two-thirds of all new STEM jobs are in computing or computer science. Talent isn't needed just at startups in nearby Silicon Valley; computers are now embedded everywhere – from cars to cash registers. As a result, nearly every industry imaginable has a need for developers, programmers, and information technology staff.

CAREERS

***Web developers**

\$42,160 - \$153,970

***Computer programmers**

\$60,840 - \$155,210

***Software developers**

\$77,840 - \$197,470

* Requires additional training
Source: Bureau of Labor Statistics
(CA data)



Associate Degree
for Transfer
A Degree with a Guarantee.SM

Our Top Transfer College

CSU Monterey Bay's computer science major includes a 2-year online-only degree completion program and offers concentrations in data science, software engineering, game development, and networking and security.



Computer Science

Suggested Course Sequence

**Associate Degree
for Transfer**

IGETC GE Pattern

YEAR	FALL		SPRING	
		Units		Units
1 Total Units: 31	ENGL 1A	3	ENGL 2	3
	MATH 20A	4	MATH 20B	4
	CSIS 10A	4	CSIS 12	4
	Area 4	3	Area 1C (CSU req. only)	3
	US-1 Course rec.		Area 4	3
			US-2 & 3 rec.	
		Total Fall Units	14	Total Spring Units
2 Total Units: 34-39	FALL		SPRING	
		Units		Units
	MATH 20C	4	CSIS 10B	4
	PHYS 3A	4	CSIS 11	3
	Area 3A	3	PHYS 3B	4
	Area 3A or 3B	3	Area 3B	3
	Area 5B	3	Area 4	3
			Area 6 (UC req. only)	0-5
		Total Fall Units	17	Total Spring Units

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.



What sets the Computer Science Program at MPC apart is the level of attention from the faculty. I transferred to Cal Poly San Luis Obispo and after graduating, got an offer from a cyber security company in the heart of Silicon Valley. Had I not gotten a solid foundation at MPC, I probably wouldn't have made it.

Willy Okpobua
MPC Graduate

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

Contact Information

David Seagal
Lead Faculty
(831) 646-3014
dseagal@mpc.edu

Division Office
(831) 646-4071



**MONTEREY PENINSULA
College**