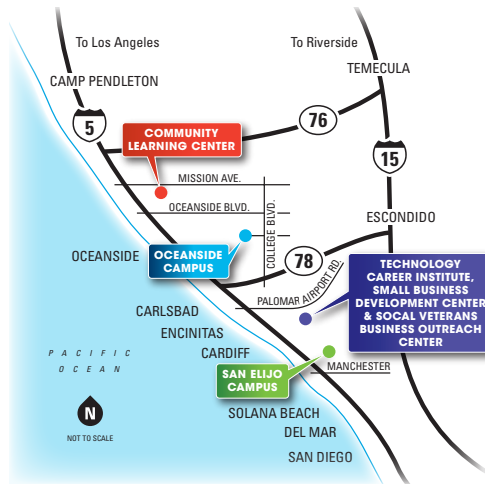
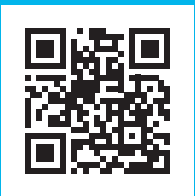


Computer Science is the study of computers and their applications. It includes a variety of specialties such as systems programming, game programming, robotics, artificial intelligence, and networking.

For more information, go to miracosta.edu/cs



MIRACOSTA COLLEGE

Computer Science
miracosta.edu/cs

Computer Science Faculty

Nery Chapeton-Lamas

- ▶ 760.757.2121 x6906
- ▶ nchapetonlamas@miracosta.edu

Michael Paulding

- ▶ 760.757.2121 x2391
- ▶ mpaulding@miracosta.edu

Catherine Walker

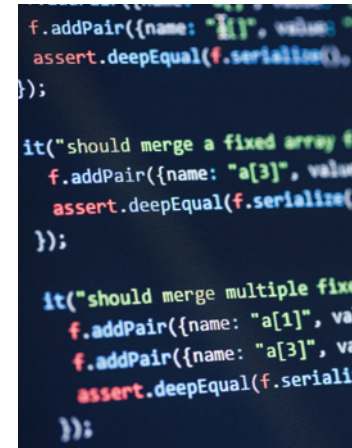
- ▶ 760.757.2121 x6476
- ▶ cwalker@miracosta.edu



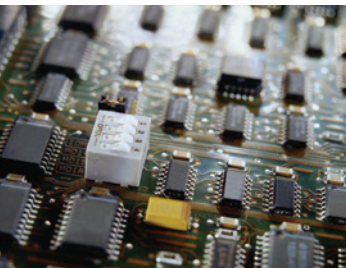
"MiraCosta College has a high quality computer science department that prepares students for success at any university that they transfer to."
—Cynthia Valdovinos, software engineer at Cisco

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COMPUTER SCIENCE



Shaping Minds for Success.



COMPUTER SCIENCE PROGRAM

In the MiraCosta College Computer Science Program, students learn basic programming, problem-solving skills, data structures, and computer architecture in preparation for transfer into more advanced fundamental and specialized areas.

Computer Science is at the forefront of today's technological society. With high salaries and new developments in computing, there are a number of jobs available in the industry. The demand for computer science graduates will only increase in the future.

Computer Science is both a scientific and highly creative art. With the rise of computer games, smartphones, and social media, programmers' creativity has come to the forefront. Virtually every device (cars, televisions, appliances, mobile devices) relies on programming and processors.

Student Club

Computer Science for the Common Good is a student organization with a purpose to empower disenfranchised members in the Computer Science field including—but not limited to—women, black, PoC, undocumented, LGBTQA+ and disabled students to help them succeed and thrive as future computer scientists, software engineers, data scientists or related occupations. The club organizes guest speakers, outreach events, industry employer site visits, and helps members earn internships. All students are welcome.



"The quality of education along with the support I received from my computer science professors contributed to my success at UC Berkeley tremendously."

—Tina Taleb, senior undergraduate researcher at UC Berkeley

DEGREES & CERTIFICATES

MiraCosta College's Computer Science Program is geared toward two options: easy transfer to a university or preparation for industry employment. Achieving one or both will provide students with the knowledge necessary to transfer into more advanced specialized computer science areas at a university, or succeed in the industry.

A **Certificate of Proficiency** quickly prepares students for immediate employment in a specific computer science career area. Certificates are available for Game Development or Mobile Application Development.

A **Certificate of Achievement** in Software Development expands the breadth of students' preparation for industry.

An **Associate Degree** in Software Development is provided to students with the hands-on knowledge and skills needed to secure a career in the field. An associate degree requires completion of a Certificate of Achievement and general education courses specified in the MiraCosta College catalog.

The **Computer Science for Transfer Associate Degree** is available for students intending to transfer to a university for continued studies. This degree provides the fundamentals of computer science and aids in a smooth transition for students.

For more information about associate degrees and certificates, please contact the Counseling Department at 760.795.6670.



"The professors are knowledgeable and really care about their students' success. I also love that the library has free CS tutoring Monday through Saturday."

—Jonah Bond, software engineer at Cisco

INDUSTRY WAGES & JOBS AVAILABLE

Student wages Before and After taking courses in Computer Science:



Top In-Demand Jobs in the San Diego Region

Computer Science-Related Occupations	Hourly Wages
Software Developers, Applications	\$35.57–\$82.01
Software Developers, Systems Software	\$35.57–\$82.01
Computer Programmers	\$29.85–\$74.92

WHO IS HIRING?

Top employers in the north San Diego region hiring for computer science-related jobs include (*partial list*):

- Booz Allen Hamilton Inc.
- BAE Systems
- Cubic Corporation
- General Atomics
- Illumina Inc.
- Intuit
- Northrop Grumman
- Qualcomm
- SAIC
- Servicenow
- Sony Electronics Incorporated
- Teradata Operations, Inc.
- Viasat