BERKELEY CITY COLLEGE
1974
TRANSFORMING LIVES

COMPUTER INFORMATION SYSTEMS
YOUR TICKET INTO TECH

· · · · · · · · · Are you · · · · · · · · ·
Detail-Oriented | Investigative | Collaborative
· ·
berkeleycitycollege.edu/cis

? ?

Math, Science, and Technology

Discover your community at BCC

Math, Science, and Technology

Discover your community at BCC

Are you a logical thinker, tech enthusiast, or creative problem solver? Do you have a knack for pattern recognition? If you're interested in a highly-desirable skill set and a career path with extensive growth potential, then Computer Information Systems could be your **ticket into tech.**

GET STARTED

No matter where you are in your academic or professional career, the Computer Information Systems program at BCC is a great pathway for:

- **High School Students** who dream of being a part of the team that designs, programs, and tests the next release of their favorite video game, mobile app, or latest tech gadget
- **Adult Learners** who are exploring a change in career or want to learn a foundational skill set to boost their employability in the tech industry
- **Graduates** who could benefit from additional training and want to gain fluency in a specific coding language
- **Professionals** who want to advance their career in the tech industry with formal training in computer programming

PREPARE TO TRANSFER

Reach your goal of transferring to a 4 year university! Learn about our transfer agreements with UC campuses by talking to a counselor today or visit the Career and Transfer Center online at **berkeleycitycollege.edu/transfer/**
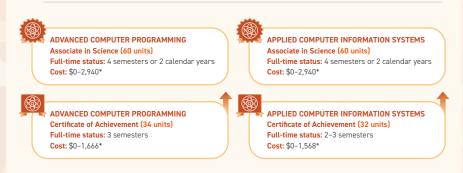

HIGH SCHOOL STUDENTS

Twice as Strong with DE at BCC

As a Dual Enrolled student, you can earn college credit while you finish high school. So don't wait—ask your guidance counselor, today!

Scan QR code to learn more:

COMPUTER INFORMATION SYSTEMS
CERTIFICATES & DEGREES

Looking to advance your career or launch a new career path with an affordable college degree? Our programs can get you where you need to be.

CREDIT

ADVANCED COMPUTER PROGRAMMING
Associate in Science (60 units)
Full-time status: 4 semesters or 2 calendar years
Cost: $0–2,940*

APPLIED COMPUTER INFORMATION SYSTEMS
Associate in Science (60 units)
Full-time status: 4 semesters or 2 calendar years
Cost: $0–2,940*

ADVANCED COMPUTER PROGRAMMING
Certificate of Achievement (34 units)
Full-time status: 3 semesters
Cost: $0–1,666*

APPLIED COMPUTER INFORMATION SYSTEMS
Certificate of Achievement (32 units)
Full-time status: 2–3 semesters
Cost: $0–1,568*

The actual cost for a California resident depends on the financial aid status. ($49 per credit unit)

Computer Information Systems

YOUR TICKET INTO TECH
Schedule an appointment with a BCC Counselor to learn more!
www.berkeleycitycollege.edu/counseling

Transfer Opportunities

- UC Berkeley
- UC Davis - TAG
- UC Santa Cruz
- San Jose State University
- San Fancisco State University

ASSOCIATE DEGREES

ADVANCED COMPUTER PROGRAMMING
Associate in Science

ADVANCED COMPUTER PROGRAMMING ASSOCIATE IN SCIENCE

(60 units)

- ☐ Major requirements (34 units)
- ☐ GE and electives (26 units)

Earn General Education and Elective courses while completing the major units required to earn your Associate degree!

APPLIED COMPUTER INFORMATION SYSTEMS - Associate in Science

APPLIED COMPUTER INFORMATION SYSTEMS ASSOCIATE IN SCIENCE

(60 units)

- ☐ Major requirements (32 units)
- ☐ GE and electives (28 units)

CIS Course Legend
Transferable to UC System

UC Berkeley -	[1]
UCLA -	[2]
UCSD -	[3]
UCSB -	[4]
UC Davis -	[5]
UC Santa Cruz -	[6]
UC Riverside -	[7]
UC Merced -	[8]
UC Irvine -	[9]

CERTIFICATES

ADVANCED COMPUTER PROGRAMMING
Certificate of Achievement (34 units)

ADVANCED COMPUTER PROGRAMMING CERTIFICATE OF ACHIEVEMENT

- ☐ CIS 36B Java Programming Language II (4 units) **[4]**
- ☐ CIS 83B Computer Programming Capstone Project (3 units)
- ☐ CIS 27 Data Structures and Algorithms (4 units) **[1, 3, 4, 5, 6, 7, 8]**
- ☐ CIS 81 Systems Analysis with UML (3 units)
- ☐ CIS 82 Design Patterns (4 units)
- ☐ CIS 23 C# Programming (4 units)
- ☐ CIS 36A Java Programming Language I (4 units) **[1, 2, 3, 4, 6, 8]**
- ☐ BUS 19 Business Communications (3 units)
- ☐ CIS 6 Introduction to Computer Programming (5 units) **[2, 3, 4, 5, 7, 8, 9]**

This map represents one possible pathway at BCC and is based on the 2023–2024 catalog.

APPLIED COMPUTER INFORMATION SYSTEMS
Certificate of Achievement (32 units)

APPLIED COMPUTER INFORMATION SYSTEMS CERTIFICATE OF ACHIEVEMENT

- ☐ CIS 6 Introduction to Computer Programming (5 units) **[2, 3, 4, 5, 7, 8, 9]**
- ☐ CIS 86 Windows Operating Systems (4 units)
- ☐ BUS 19 Business Communications (3 units)
- ☐ MMART 3 Introduction to Digital Art (3 units)
- ☐ CIS 5 Introduction to Computer Science (5 units) **[2]**
- ☐ CIS 42A Spreadsheet Applications I (2 units)
- ☐ CIS 42B Spreadsheet Applications II (2 units)
- ☐ CIS 1 Introduction to Computer Information Systems (4 units)
- ☐ BUS 10 Introduction to Business (3 units)
- ☐ CIS 105 Basic Mechanics of Web Page Design (1 unit)

START HERE TO BUILD YOUR ACADEMIC & CAREER PATHWAY!

OCCUPATION OUTLOOK
IN THE COMPUTER INFORMATION SYSTEMS FIELD

COMPUTER PROGRAMMERS

Overview
- ✓ Learn new coding languages
- ✓ Use problem-solving and critical thinking abilities or want to solve any complex technical challenges

Yearly Median Wage
Bay Area **$120,550**
California **$105,080**
United States **$93,000**

Source: O*NET OnLine

Top Computer Programming Companies in CA

amazon | IBM | accenture | gm general motors | ORACLE

SOFTWARE DEVELOPERS

Overview
Whether you're working on a mobile application, improving professional software, or testing a video game, **software developers** offer a broad range of skill sets, including how to:

- ✓ Design and code programs—either of your own design or according to a design brief
- ✓ Create software packages within a coding language
- ✓ Use a development engine to provide pre-built functionality or modules

Occupation Outlook
26% increase in new software development jobs by 2031.

Source: Indeed.com

Yearly Median Wage
Bay Area **$161,930**
California **$140,510**
United States **$120,730**

Source: O*NET OnLine

Top Software Development Companies in CA

🍎 | Google | amazon | CISCO | ORACLE

Quick Guide to Community College Terminology

apprenticeship   A work-based learning model where apprentices have supervised on-the-job training, along with job-related education, all while earning a wage that increases during the progression of the program.

Associate in Arts (AA)/Associate in Science (AS)   An undergraduate degree requiring at least two years of full-time study and completion of 60-semester units, including major and GE courses.

Associate Degree for Transfer (AD-T)   A specific set of courses required to transfer into an upper-division program at the CSU system as part of the junior class with guaranteed priority admission.

Certificate of Achievement (CA)   A qualified credential noted on your official transcript upon completion of a series of courses of a specific subject or skill set. At minimum, 16 units, often connected to an Associate degree.

Certificate of Proficiency (CP)   Smaller unit certificate related to a specific skill set or subject. Often part of a pathway to update a professional skill set or launch a new career.

co-requisite   Courses required to be taken in tandem during the same term.

dual enrollment   A program that allows students to take college courses while in high school and earn both high school and college credits simultaneously.

full-time status   Enrollment in 12 units or more in a given term.

internship   When a student works in an organization in order to gain work experience or satisfy requirements for a qualification. Internships can be paid or unpaid and help students make connections in professional fields they are considering for career paths.

lecture/lab hours   Number of contact hours a lecture or laboratory course meets during a term

non-credit courses   Intended for personal enrichment or to acquire a skill set, but not applicable toward a degree. No units are earned upon completion, but non-credit vocational certificates may be awarded upon completion of a series of classes in this category.

part-time status   Enrollment in 11 or fewer units in a given term.

prerequisite   Previous experience or course completions required for entry into another course.

Student Education Plan (SEP)   Specific courses to enroll in each semester over a period of time, in order to meet the requirements of an educational goal, Associate Degree Transfer program (AD-T), or completion of Associate Degree (AA/AS).

unit   Used synonymously with "credit", the value earned in a course.

APPLY ONLINE NOW!

Learn the steps to apply and enroll at BCC on our website at
berkeleycitycollege.edu/menu-links/getting-started-at-bcc/

Scan QR code
to learn more

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CITY COLLEGE

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