

# COMPUTER INFORMATION SYSTEMS

## About the Program

The department of Computer Information Systems (CIS) offers Associate in Science degrees and certificates in three major areas:

- Network Administration
- Computer Programming
- Web Developer

The Network Administration certificate and degree program is designed to provide students with the necessary skills to gain employment as a network administrator. Most business computers are being connected in networks. The industry needs skilled people to configure, troubleshoot, and maintain these networks. The Network Administration Program is designed to train students to fill these needs. Five certificates and three Associate in Science Degrees specializing in General Networking, MCSE Windows, CISCO-CCNA, and UNIX are offered.

The CIS Programming certificate and degree program is designed to provide students with skills in computer programming to enable graduates to gain employment as an entry-level programmer. Courses will emphasize skills on how to organize a computer program, and how to program in several different languages such as Java and C++. An Associate in Science Degree and two levels of certificates are offered.

The Web Developer certificate and degree program provides students with the skills necessary to design front-end applications for a Web site. It assumes basic programming skills so that students can design applications that search a web site, obtain interactive information from visitors to the site, implement push and pull technologies, client server interactions, and provide the benefits of having a dynamic, well-structured Web site.

## Career Options

- Computer Programmer
- Web Developer
- Network Administrator

## Certificates/Degrees

- Certificate of Achievement – Level 1: CIS General Networking or CIS UNIX Networks
- Certificate of Achievement – Level 2: MCSE, MCSA, CCNA, CIS Computer Programming or CIS Web Developer
- Certificate of Achievement – Level 3: Computer Programming or Web Developer
- A.S. Degree: CIS General Networking, CIS Microsoft Networks – MCSE, CIS UNIX Networks, Computer Programming, or Web Developer

**For additional information, see a counselor, visit the Career/Transfer Center, or contact the following:**

Business and Workforce Development Division (408) 288-3131

## Associate Degrees

- CIS Computer Programming - Associate in Science (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-computer-programming-associate-science/>)
- CIS General Networking - Associate in Science (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-general-networking-associate-science/>)
- CIS Microsoft Networks - MCSE - Associate in Science (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-microsoft-networks-mcse-associate-science/>)
- CIS UNIX Networks - Associate in Science (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-unix-networks-associate-science/>)
- CIS Web Developer - Associate in Science (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-web-developer-associate-science/>)

## Certificates

- CIS Cisco Networks - CCNA - Certificate of Achievement Level 2 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-cisco-networks-ccna-certificate-achievement-level-2/>)
- CIS Computer Programming - Certificate of Achievement Level 2 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-computer-programming-certificate-achievement-level-2/>)
- CIS Computer Programming - Certificate of Achievement Level 3 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-computer-programming-certificate-achievement-level-3/>)
- CIS General Networking - Certificate of Achievement Level 1 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-general-networking-certificate-achievement-level-1/>)
- CIS Microsoft Networks - MCSA - Certificate of Achievement Level 2 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-microsoft-networks-mcsa-certificate-achievement-level-2/>)
- CIS Microsoft Networks - MCSE - Certificate of Achievement Level 2 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-microsoft-networks-mcse-certificate-achievement-level-2/>)
- CIS UNIX Networks - Certificate of Achievement Level 1 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-unix-networks-certificate-achievement-level-1/>)
- CIS Web Developer - Certificate of Achievement Level 2 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-web-developer-certificate-achievement-level-2/>)
- CIS Web Developer - Certificate of Achievement Level 3 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/cis-web-developer-certificate-achievement-level-3/>)
- Emerging Tech Entrepreneurship - Certificate of Achievement Level 1 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/emerging-tech-entrepreneurship-level-1/>)
- Emerging Tech Entrepreneurship - Certificate of Achievement Level 2 (<http://courseleaf.sjcc.edu/degrees-certificates/computer-information-systems/emerging-tech-entrepreneurship-level-2/>)