



# College to Career Connection

## Computer Networking

### What is Computer Networking?

Computer networking is connecting two or more computers that allows them to share resources. They analyze, design, develop, test and evaluate local area network (LAN) or wide area network (WAN) systems for data sharing and communications. The program at COC prepares students for an entry-level position in an IT related industry with emphasis in either CCNA Network Administrator or MCSA Systems Administrator. Emphasis is placed on hands-on labs and case studies designed to apply principles and develop troubleshooting skills. The program provides industry certifications from industries and organizations such as BICSI, Cisco, and CompTIA. Based on U.S. Bureau of Labor and Statistics, number of employment is expected to grow faster than average due to digital revolution. Hands on computer work that involves investigation and problems solving is a central aspect of individuals who choose this major.

[COC - Computer Networking Associate in Science](#) - will not transfer to a 4 year institution

[COC - Computer Networking Certificate of Achievement](#) - will not transfer to a 4 year institution

[COC - Network Associate Certificate of Specialization](#) - will not transfer to a 4 year institution

[COC - Civic and Community Engagement Certificate of Specialization-](#) will not transfer to a 4 year institution

### Potential Industries/Employers

- Computer Product Manufacturing
- Telecommunications
- Scientific Research and Development Services
- Public Administration Cluster
- Educational Services (state, local, private)
- Aerospace Products Manufacturing
- Start your own business

### Possible Job Titles

- Help Desk Specialist
- Computer Services Sales Representatives
- Computer Support Specialists
- Network Automation Support Specialist
- Computer Networking Specialist
- Data Analyst Specialist
- Senior IT Assistant
- Network Control Technicians
- Network Managers and Administrators
- Systems Analysts
- Webmasters
- Information Technology Consultant
- Cloud Systems Analyst
- Cloud Architect
- Cyber Security Analyst

# How this Major Helps You Move Forward:

## Skills Advancement

While College of the Canyons does not endorse all of these opportunities, we aim to provide access:

- [Internships](#)
- [COC Career Center](#)
- [Lynda.com Courses](#)
- [Computer Technology Industry Association \(CompTIA\) Insight, Tools, Events and Training](#)

## CSU/UC Major Preparation (BA/BS):

- [CSULA: Computer Information Systems B.S.](#)
- [CSUN: Computer Information Technology B.S.](#)
- [CSUCI: Information Technology, B.S.](#)
- [CSUDH: Information Technology B.S.](#)
- ... and more!

## Additional information can be found at:

- [What Can I do With this Major](#)
- [COC Computer Networking Department](#)
- [Assist: Student Transfer Information System](#)
- [Occupational Outlook Handbook](#)
- [ONET OnLine: Job and Career Exploration](#)
- [LinkedIn Alumni Tool](#)

## Associations

Association is a group of people who come together for a common purpose. You can find helpful information about jobs and careers.

- [Association for Women in Computing \(AWC\)](#)
- [Association of Computing Machinery \(ACM\)](#)
- [Association of Information Technology Professionals \(AITP\) -](#)
- [Computing Technology Industry Association \(CompTIA\)](#)
- [Institute for Certification of Computing Professionals \(ICCP\)](#)
- [Telecommunications Industry Association \(TIA\)](#)

This is a general information. It is not an exhaustive, comprehensive list. For specific information on majors and careers please connect with your professors and visit the counseling center at <https://www.canyons.edu/student-services/counseling> | 3/26/21