

COMPUTER INFORMATION SYSTEMS (CIS)

About the program

The Computer Information Systems (CIS) Networking program is a certified Cisco Networking Academy and provides training in local area network (LAN) and wide area network (WAN) installation, and management. Students also learn skills in computer programming, PC maintenance and repair, and network security from CompTIA Security + certified instructors.

Degrees/Certificates within this Program:

- Associate of Science Degree, CIS Networking
- Certificate of Achievement, CIS Networking
- Certificate of Recognition, Network Technician

Similar Degrees/Certificates offered at CR:

- Associate of Science Degree, Computer Office Support Specialist
- Associate of Science Degree, Digital Media
- Certificate of Achievement, Digital Media

Career Opportunities

Employment opportunities in this field include:

- Computer and Network Installers
- Computer Support Specialist
- Technical Support Technicians
- Network Technicians
- Network Systems Analyst
- Information Security Analyst

For more information

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- www.redwoods.edu/cis/
- Career & Technical Division, 707-476-4341
- Counseling & Advising, 707-476-4150

Certificate of Achievement, CIS Networking

Program Requirements	Units
BT 50 Database Applications	4.0
BUS 10 Intro to Business	3.0
CIS 1 Computer Information Systems	4.0
CIS 12 Programming Fundamentals	4.0
CIS 30 CCNA: Computer Network Fundamentals	4.0
CIS 31 Network Operating Systems	4.0
CIS 35 Network Security Fundamentals	4.0
CIS 98 PC Computer Repair and Maintenance	4.0
Total Units	31.0

About this Certificate

The CIS Networking Certificate of Achievement provides educational opportunities for students seeking careers in local area network (LAN) and wide area network (WAN) installation, and management. Students also learn skills in computer programming, PC maintenance and repair, and network security from CompTIA Security + certified instructors.

Suggested Program Sequence

Fall Start

Semester 1 BUS 10, CIS 1

Semester 2 BT 50, CIS 98

Semester 3 CIS 30, CIS 31

Semester 4 CIS 12, CIS 35

Program Learning Outcomes

- Demonstrate professional and effective communication skills.
- Support end user technology needs.
- Configure and troubleshoot TCP/IP networks and verify end-to-end connectivity across local area and wide area networks.
- Develop applications with emphasis on critical thinking approach to programming.
- Apply fundamental security concepts to network communication, infrastructure and operations.