What Can I Do With a Major In
COMPUTER NETWORKING?

Programs in computer systems networking and administration prepare people to manage linked systems of computers and devices. Computer systems networking and administration programs include topics such as:

Computer hardware and software

Systems design and management

Networking theory and solutions

Operating systems and applications

Information systems security

Outage control

Problem diagnosis

Concentrations

In computer systems networking and administration programs, students may be able to specialize in:

- Network administration
- System administration
- Computer and network security
- Information Technology help desk

Typical Coursework

Computer and Network Security

Computer Architecture

Computer User Support

Data and Computer Communications

Virtualization Infrastructure

Internet and World Wide Web

Linux and Unix Systems

Computer and Network Administration

Network and Systems Repair

Operating Systems

Wireless networking

VoIP and Unified Communications

System Analysis and Design

Local Area Networks (LAN)

Wide Area Networks (WAN)

Storage Area Networks (SAN)

Related Major Skills

Abstract and Formal Reasoning

Knowledge of Operating Systems

Problem-solving

Logical Thinking

Organizing / Simplifying

Detail-oriented

Work independently and in teams

Efficiency

Written and oral communication skills

Knowledge of computer hardware and software

Multi-tasking

Analyzing

Knowledge of Telecommunications equipment

Critical Thinking

Thoroughness

Advanced Quantitative Abilities

Mathematical Skills

Research

Directly Related Occupations

Computer & Information Systems Manager

Network Administrator

Wireless Network Specialist
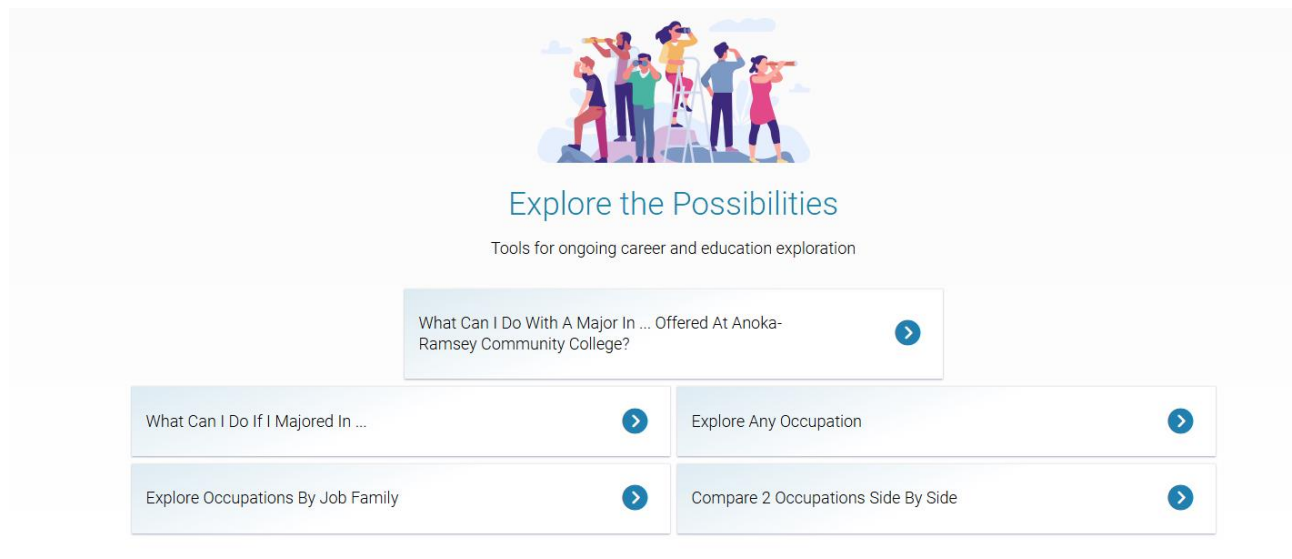
Computer Support Technician

Help Desk Specialist

Network Security Analyst

Computer Systems Administrator

Server Support Specialist

Who Hires for this Occupation?

Computer systems design companies, information services companies, telecommunication service agencies, finance & insurance companies, financial firms, manufacturing firms, colleges & universities, federal, state & local government agencies, information & internet organizations, business management and support services companies, and software & computer service organizations.

Focus2

Visit **FOCUS2** (use ARCC credentials to sign-in) for more information regarding **related occupations and average salaries** and explore **other related majors.** You can also take **assessments** to match your skills, interests, and values to potential careers and majors.

Explore the Possibilities

Tools for ongoing career and education exploration

What Can I Do With A Major In … Offered At Anoka-Ramsey Community College? ❯

What Can I Do If I Majored In … ❯

Explore Any Occupation ❯

Explore Occupations By Job Family ❯

Compare 2 Occupations Side By Side ❯

Anoka-Ramsey Community College offers a Computer Networking Associate of Science Degree program designed for students interested in preparing for entry-level positions in network support and administration. It also can provide most or all of the first two years of a bachelor's degree related to information technology and network administration.

Search for majors and colleges at Minnesota State System Colleges and University

Professional Association Links

[SANS (System Administration, Networking, and Security) Institute](#)
[Computer Technology Industry Association](#)
[IEEE Communications Society](#)
[Storage Networking Industry Association (SNIA)](#)

For More Information

Contact ARCC Counseling (Coon Rapids and Cambridge) at (763) 433-1100 or stop by the campus Information Desk