

# Network Support and Administration

Certificate Program 2012-2013

Program Requirements..... 18  
Additional Requirements ..... 12  
**TOTAL CREDITS.....30**

## PROGRAM INFORMATION:

Computer Networking certificates focus on the development of job- or career-specific skills in a short-term, concentrated format. Many courses may apply toward Associate in Science degrees in Business and Computer Networking and Telecommunications. For additional information, visit our Web site at <http://www.AnokaRamsey.edu>.

## PROGRAM GOALS:

By completing this certificate, students will achieve the following learning goals:

1. Design and develop secure voice, video, and data networks.
2. Implement and configure networked devices.
3. Demonstrate the skills necessary to administer and monitor networks.
4. Exhibit mastery of problem-solving skills to troubleshoot existing and emerging technologies.
5. Function as responsible and ethical network administrators for organizations and society.

## APPLICATION:

To receive this certificate, submit a Certificate Application to the Records and Registration Office. Applications are available in Academic Advising Services, or the Records and Registration Offices on either campus.

## DEVELOPMENTAL COURSES:

Some students may need preparatory courses in the area of English, mathematics, or typing/keyboarding. Courses numbered below 1000 will not apply toward the certificate.

## COMPLETION REQUIREMENTS:

- A cumulative GPA of 2.0 or above is required to complete this certificate.
- A minimum grade of C must be earned in all program requirements.
- All program requirements must be completed at Anoka-Ramsey Community College.
- Due to the dynamic nature of the computer networking industry, students are not able to sell back CNET course materials to the bookstore.
- Courses must be completed within 3 years. Students may petition to extend the window beyond the 3 years.
- A minimum of 12 semester credits must be completed at Anoka-Ramsey Community College.
- All course requirements must be complete before a certificate will be awarded.

## Program Requirements:

**18 credits**

- CNET 2101 Data Telecommunications and Computer Networks .. 3
- CNET 2112 Desktop Operating Systems..... 3
- CNET 2113♦ Network Operating Systems ..... 3
- CNET 2301♦ Internet Protocol Routing ..... 3
- CNET 2303♦ LAN Switching and Adv. Router Configs ..... 3
- CNET 2304♦ WAN Theory and Design..... 3

## Additional Requirements ..... 12 credits

- BUS 1103 Human Relations in the Workplace ..... 3

### Electives:

Select a minimum of 9 credits from the following:

- BUS 1108 Business Math ..... 3
- BUS 1112♦ Computer Concepts and Applications ..... 3
- BUS 1113♦ Computer Applications II: Integrated Processes .... 3
- BUS 1122 Business Ethics and Social Issues ..... 3
- BUS 1180 Developing Web Pages ..... 3
- BUS 2215 Legal Environment of Business..... 3
- BUS 2244 Principles of Management ..... 4
- CNET 1101 PC Troubleshooting, Maintenance & Repair ..... 2
- CNET 1115 IT & Data Assurance ..... 3
- CNET 2105 Security Awareness and Policies ..... 1
- CNET 2114 Fundamentals of Linux/UNIX ..... 3
- CNET 2125♦ System Virtualization ..... 2
- CNET 2205 Fundamentals of Wireless LANs ..... 3
- CNET 2215♦ Managing Network Security ..... 3
- CNET 2297♦ Field Experience & Seminar ..... 1-4
- CNET 2320♦ Unified Communications/VoIP ..... 3
- CSCI 1101♦ Intro to Computer Sci. Problem-Solving ..... 3
- CSCI 1106♦ Fundamentals of Computer Science I ..... 4
- CSCI 1107♦ Fundamentals of Computer Science II..... 4

For more information about our program graduation rates, the median debt of students who completed the program, and other important information, please visit our Web Site at <http://anokaramsey.edu/classes/Certificates/Network%20Support%20and%20Administration%20-%20Certificate.aspx> and click on the "Gainful Employment Disclosure Report" link at the bottom of the page.

\* Course has a prerequisite. Prerequisites are listed on the course schedule and in the ARCC Catalog Course Descriptions pages.

NOTE: The requirements of this program are subject to change without notice. You are encouraged to contact an academic advisor, Cambridge Campus 763-433-1840 or Coon Rapids Campus 763-433-1240, for course planning assistance and information about transfer credit evaluation.

