

Academic Programs

Computer Information Systems: Networking Specialist - Associate in Applied Science (075)

This program is designed to prepare students for employment in business, industry and government. Computer network specialists are responsible to oversee the design, administration, and security of organizations' network infrastructure. In addition to the training provided by the certificates for networking, networking specialist and networking professional, the degree provides a stronger background in business.

Work and Employment

Computer network specialists are employed by all sectors of the economy including the communications industry. Network professionals are employed in large and small organizations with diverse responsibilities including supervision of computer network specialists.

Special Considerations

Computer network specialists must have the following skills and aptitudes: communicate well, work under pressure, show good judgment, be systematic and accurate. A clear understanding of computer technology and internetworking is important.

Program Contacts at Sauk Valley Community College

- Academic Advising, 815-835-6354
- Kevin Megill, Associate Professor of Computer Information Systems, 815-835-6251
- Greg Noack, Assistant Professor of Computer Information Systems, 815-835-6434

Total Hours Required - 61 Hours

Major Field Requirements - 36 Hours

- BUS103 - Intro to Business (3 Semester Hours)
- CIS101 - Fund of Computer Info Systems (3 Semester Hours)
- CIS151 - Network Certification (3 Semester Hours)
- CIS152 - Introduction to Networks (ITN) (3 Semester Hours)
- CIS154 - Switching/Routing/Wireless Ess (3 Semester Hours)
- CIS156 - Enterprise Netw/Sec/Automation (3 Semester Hours)
- CIS167 - A+ Certification (3 Semester Hours)
- CIS186 - Intro to Virtualization (3 Semester Hours)
- CIS194 - Managing Modern Windows Device (3 Semester Hours)
- CIS197 - Security + Certification (3 Semester Hours)
- CIS250 - Beginning Linux (3 Semester Hours)
- CIS257 - Cyber Security Analysis (3 Semester Hours)

Electives - 6 Hours

CIS 231 and CIS 235 are strongly recommended

- ACC101 - Financial Accounting (4 Semester Hours)
- ACC102 - Managerial Accounting (4 Semester Hours)
- CIS187 - Intro to Cloud Computing (3 Semester Hours)
- CIS231 - Occupational Seminar (1 Semester Hours)
- CIS235 - Occupational Internship (3 Semester Hours)
- CIS290 - Introduction to Servers (3 Semester Hours)
- CIS291 - Intro to Windows Server Admin (3 Semester Hours)

General Education Requirements - 18 Hours

- Communications 6 Semester hour(s) - (ENG 101 and ENG 111 required)
- Humanities/Fine Arts 3 Semester hour(s)
- Social/Behavioral Sciences 3 Semester hour(s)
- Physical/Life Sciences 3 Semester hour(s)
- Mathematics (MAT 106 or higher required) 3 Semester hour(s)

SVCC Requirement - 1 Hours

- FYE101 - First Year Experience (1 Semester Hours)

Suggested Program

First Semester - 16 Hours

- BUS103 - Intro to Business (3 Semester Hours)
- CIS101 - Fund of Computer Info Systems (3 Semester Hours)
- CIS151 - Network Certification (3 Semester Hours)
- CIS167 - A+ Certification (3 Semester Hours)
- ENG101 - Composition I (3 Semester Hours)
- FYE101 - First Year Experience (1 Semester Hours)

Second Semester - 15 Hours

- Physical/Life Science 3 Semester hour(s)
- Social/Behavioral Science 3 Semester hour(s)
- CIS186 - Intro to Virtualization (3 Semester Hours)
- CIS194 - Managing Modern Windows Device (3 Semester Hours)
- CIS197 - Security + Certification (3 Semester Hours)

Third Semester - 15 Hours

- Mathematics (MAT 106 or higher) 3 Semester hour(s)
- Electives - 3 Semester hour(s) (see elective options)
- Humanities/Fine Arts - 3 Semester hour(s)
- CIS152 - Introduction to Networks (ITN) (3 Semester Hours)
- CIS154 - Switching/Routing/Wireless Ess (3 Semester Hours)

Fourth Semester - 15 Hours

- Electives - 3 Semester hour(s) - (see elective options)
- CIS156 - Enterprise Netw/Sec/Automation (3 Semester Hours)
- CIS250 - Beginning Linux (3 Semester Hours)
- CIS257 - Cyber Security Analysis (3 Semester Hours)
- ENG111 - Bus/Technical Communication (3 Semester Hours)