(075) Associate in Applied Science

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 organization 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. Click here for further career information: https://www.svcc.edu/academics/programs/individual/075.html

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 - 61-62 Hours

Major Field Requirements - 33 Hours

- CIS 101 - Fund of Computer Info Systems (3 Semester Hours)
- BUS 103 - Intro to Business (3 Semester Hours)
- CIS 151 - Network Certification (3 Semester Hours)
- CIS 152 - Intro to Internetworking (3 Semester Hours)
- CIS 154 - Internetworking Oper Sys (3 Semester Hours)
- CIS 156 - Intro to Local Area Networks (3 Semester Hours)
- CIS 158 - Intro to Wide Area Networks (3 Semester Hours)
- CIS 167 - A+ Certification (3 Semester Hours)
- CIS 194 - Windows Operating Systems (3 Semester Hours)
- CIS 197 - Security + Certification (3 Semester Hours)
- CIS 250 - Beginning Linux (3 Semester Hours)

Electives - 12 Hours

** Select a minimum of 12 hours from the list below:

- ACC 101 - Financial Accounting (4 Semester Hours)
- ACC 102 - Managerial Accounting (4 Semester Hours)
- CIS 290 - Introduction to Servers (3 Semester Hours)
- CIS 291 - Install & Configure Servers (3 Semester Hours)
- CIS 292 - Manage & Administer Servers (3 Semester Hours)
- CIS 293 - Configure Advanced Services (3 Semester Hours)

General Education Requirements - 15-16 Hours

- Communications 6 Semester hour(s)
- Humanities/Fine Arts 3 Semester hour(s) OR Social/Behavioral Science 3 Semester hour(s)

- Physical/Life Science 3 Semester hour(s)
- Mathematics (MAT 106 or higher required) 3-4 Semester hour(s)

SVCC Requirement - 1 Hours

- FYE 101 - First Year Experience (1 Semester Hours)

Suggested Program

First Semester - 16 Hours

- CIS 101 - Fund of Computer Info Systems (3 Semester Hours)
- CIS 152 - Intro to Internetworking (3 Semester Hours)
- CIS 154 - Internetworking Oper Sys (3 Semester Hours)
- CIS 194 - Windows Operating Systems (3 Semester Hours)
- ENG 101 - Composition I (3 Semester Hours)
- FYE 101 - First Year Experience (1 Semester Hours)

Second Semester - 15 Hours

- CIS 156 - Intro to Local Area Networks (3 Semester Hours)
- CIS 158 - Intro to Wide Area Networks (3 Semester Hours)
- CIS 290 - Introduction to Servers (3 Semester Hours)
- CIS 291 - Install & Configure Servers (3 Semester Hours)
- ENG 111 - Bus/Technical Communication (3 Semester Hours)

Third Semester - 15 Hours

- Physical/Life Science 3 Semester hour(s)
- CIS 151 - Network Certification (3 Semester Hours)
- CIS 167 - A+ Certification (3 Semester Hours)
- CIS 292 - Manage & Administer Servers (3 Semester Hours)
- CIS 293 - Configure Advanced Services (3 Semester Hours)

Fourth Semester - 15-16 Hours

- Mathematics (MAT 106 or higher) 3-4 Semester hour(s)
- Humanities/Fine Arts 3 Semester hour(s) OR Social/Behavioral Science 3 Semester hour(s)
- BUS 103 - Intro to Business (3 Semester Hours)
- CIS 197 - Security + Certification (3 Semester Hours)
- CIS 250 - Beginning Linux (3 Semester Hours)