

## **Academic Programs**

### **Computer Information Systems: Networking - Certificate ( B31)**

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The networking associate certificate consists of a core of courses which provide job entry skills in the area of computer networks. This certificate can also be the foundation for advancement to higher level positions in an expanding field. Instruction includes hands-on system experience. This certificate is an expansion of the Networking certificate that adds training in network operating systems and general information systems theory.

#### **Work and Employment**

Networking associates are involved in the installation, use and maintenance of computer networks. They may set up the physical infrastructure for a network, and use network operating systems to administrate and maintain network services, ranging from LANs to Internet services.

#### **Program Contacts at Sauk Valley Community College**

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- 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 - 27 Hours**

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#### **Major Field Requirements**

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- 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)
- CIS197 - Security + Certification ( 3 Semester Hours)
- CIS250 - Beginning Linux ( 3 Semester Hours)
- CIS257 - Cyber Security Analysis ( 3 Semester Hours)

### **Suggested Program**

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#### **First Semester - 15 Hours**

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- 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)
- CIS167 - A+ Certification ( 3 Semester Hours)

#### **Second Semester - 12 Hours**

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- CIS156 - Enterprise Netw/Sec/Automation ( 3 Semester Hours)
- CIS197 - Security + Certification ( 3 Semester Hours)
- CIS250 - Beginning Linux ( 3 Semester Hours)
- CIS257 - Cyber Security Analysis ( 3 Semester Hours)