

## **(B31) Certificate**

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The networking specialist 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**

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

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

Academic Advising, 815/835-6354;

Dr. Mary Lou Kidder, Professor of Computer Information Systems, 815/835-6358;

Kevin Megill, Associate Professor of Computer Information Systems, 815/835-6251;

Valarie Wittman, Professor of Computer Information Systems, 815/835-6388.

### **Major Field Requirements**

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- CIS 101 - Fundamentals of Computer Information Systems 3 Semester hour(s)
- or
- CIS 250 - Beginning Linux 3 Semester hour(s)
- CIS 151 - Network Certification 2 Semester hour(s)
- CIS 152 - Introduction to Internetworking 3 Semester hour(s)
- CIS 154 - Introduction to Internetworking Operating System 3 Semester hour(s)
- CIS 156 - Introduction to Local Area Networks 3 Semester hour(s)
- CIS 158 - Introduction to Wide Area Networks 3 Semester hour(s)
- CIS 167 - A+ Certification 3 Semester hour(s)

Total Hours Required for Certificate: 20

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### **Suggested Program**

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First Semester - Sem/Hrs: 11

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- CIS 101 - Fundamentals of Computer Information Systems 3 Semester hour(s)
- or
- CIS 250 - Beginning Linux 3 Semester hour(s)
- CIS 151 - Network Certification 2 Semester hour(s)
- CIS 152 - Introduction to Internetworking 3 Semester hour(s)
- CIS 154 - Introduction to Internetworking Operating System 3 Semester hour(s)

Second Semester - Sem/Hrs: 9

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- CIS 156 - Introduction to Local Area Networks 3 Semester hour(s)
- CIS 158 - Introduction to Wide Area Networks 3 Semester hour(s)
- CIS 167 - A+ Certification 3 Semester hour(s)

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