

## **(077) Associate in Applied Science**

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This program is designed to prepare students for employment in business, industry, and government utilizing computer client/server networks of all sizes. Computer server specialists are responsible for configuring, maintaining, and administering hardware and operating systems at the server and client level. Completing certain sequences in this curriculum will also prepare students to sit for industry certifications sponsored through Microsoft Corporation.

The type of jobs for which it would train graduates:

- Server Administrator
- Server Support
- Network Support Technician
- Network Support Administrator

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

Counseling Office, 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, Associate Professor of Computer Information Systems, 815/835-6388.

Major Field Requirements

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- BUS 103 - Introduction to Business 3 Semester hour(s)
- CIS 101 - Fundamentals of Computer Information Systems 3 Semester hour(s)
- CIS 151 - Network Certification 2 Semester hour(s)
- CIS 167 - A+ Certification 3 Semester hour(s)
- CIS 190 - Windows Server Fundamentals 2 Semester hour(s)
- CIS 191 - Windows Active Directory 3 Semester hour(s)
- CIS 192 - Windows Network Infrastructure 3 Semester hour(s)
- CIS 193 - Windows Server Administrator 3 Semester hour(s)
- CIS 194 - Windows Operating Systems 3 Semester hour(s)
- CIS 195 - Windows Server Applications Infrastructure 3 Semester hour(s)
- CIS 196 - Windows Server Enterprise Administrator 3 Semester hour(s)

Minimum Hours for Major Field Requirements: 31

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General Education Requirements - Sem/Hrs: 18-19

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- 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) 3-4 Semester hour(s)

Electives - Sem/Hrs: 15

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- ACC 101 - Financial Accounting 4 Semester hour(s)
- ACC 102 - Managerial Accounting 4 Semester hour(s)
- BUS 231 - Occupational Seminar I 1 Semester hour(s)
- BUS 232 - Occupational Seminar II 1 Semester hour(s)
- BUS 235 - Occupational Internship I 3 Semester hour(s)

- BUS 236 - Occupational Internship II 3 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 197 - Security + Certification 3 Semester hour(s)
- CIS 250 - Beginning Linux 3 Semester hour(s)

SVCC Requirement - Sem/Hrs: 1

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- FYE 101 - First Year Experience 1 Semester hour(s)

Total Hourse Required for A.A.S. Degree: 64-65

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### Suggested Program

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First Semester - Sem/Hrs: 17

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- CIS 101 - Fundamentals of Computer Information Systems 3 Semester hour(s)
- CIS 151 - Network Certification 2 Semester hour(s)
- CIS 167 - A+ Certification 3 Semester hour(s)
- CIS 190 - Windows Server Fundamentals 2 Semester hour(s)
- CIS 191 - Windows Active Directory 3 Semester hour(s)
- ENG 101 - Composition I 3 Semester hour(s)
- FYE 101 - First Year Experience 1 Semester hour(s)

Second Semester - Sem/Hrs: 18

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- Physical/Life Science 3 Semester hour(s)
- Humanities/Fine Arts 3 Semester hour(s)
- Social/Behavioral Science 3 Semester hour(s)
- BUS 103 - Introduction to Business 3 Semester hour(s)
- CIS 192 - Windows Network Infrastructure 3 Semester hour(s)
- CIS 193 - Windows Server Administrator 3 Semester hour(s)

Third Semester - Sem/Hrs: 15 - 16

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- Math (MAT 106 or higher) 3-4 Semester hour(s)
- 6 hours CIS Networking Electives-Choose From:
  - CIS 152-3 Semester hour(s)
  - CIS 154-3 Semester hour(s)
  - CIS 156-3 Semester hour(s)
  - CIS 158-3 Semester hour(s)
- CIS 194 - Windows Operating Systems 3 Semester hour(s)
- CIS 195 - Windows Server Applications Infrastructure 3 Semester hour(s)

Fourth Semester - Sem/Hrs: 15

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- Electives 9 Semester hour(s)
- CIS 196 - Windows Server Enterprise Administrator 3 Semester hour(s)
- ENG 111 - Business and Technical Communication 3 Semester hour(s)

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