

IT-NETWORK SPECIALIST



Associate of Applied Science Degree
10-150-2

The Network Specialist Associate of Applied Science Degree prepares students for a career in computer network support and integrated technology in order to meet business demands for information-sharing. Students receive training in network design, installation, troubleshooting, administration, security and management. After completing this program, the student will have covered basic topic areas needed for the MCSA, NET+, A+, Security+ and CCNA certifications.

Program Outcomes

- Implement computer networks
- Implement client systems
- Implement server operating systems
- Implement network security components
- Develop technical documentation
- Troubleshoot network systems
- Apply system analysis and design concepts
- Manage an Information Technology project from inception to implementation

Graduates Have Found Employment As

- Network Administrator
- Help Desk Specialist
- Network Support Specialist
- Technical Support Specialist
- Network Technician
- User Support Specialist
- Technical Consultant

View the entire course listing (<http://catalog.blackhawk.edu/courses/>).

| Semester 1 | | Credits |
|----------------|--|-----------|
| 631-124 | Microcomputer Fundamentals 1: PC Components | 1 |
| 631-125 | Microcomputer Fundamentals 2: PC Assembly | 1 |
| 631-126 | Microcomputer Fundamentals 3: Intro to Web Programming | 1 |
| 631-127 | PC Software Fundamentals 1: Operating Systems | 1 |
| 631-128 | PC Software Fundamentals 2: Software Applications | 1 |
| 631-129 | PC Software Fundamentals 3: Troubleshooting Operating Systems | 1 |
| 631-130 | PC Peripherals and Troubleshooting 1: Peripherals | 1 |
| 631-131 | PC Peripherals and Troubleshooting 2: Printers & Laptops | 1 |
| 631-132 | PC Peripherals and Troubleshooting 3: Troubleshooting Hardware | 1 |
| 631-133 | IT Customer Service Fundamentals 1 | 1 |
| 631-134 | IT Customer Service Fundamentals 2 | 1 |
| 631-135 | IT Customer Service Fundamentals 3 | 1 |
| 801-136 | English Composition 1 | 3 |
| 150-182 | Information Technology Career Preparation | 1 |
| Credits | | 16 |

| Semester 2 | | Credits |
|------------|------------------------|---------|
| 631-136 | Network Fundamentals 1 | 1 |
| 631-137 | Network Fundamentals 2 | 1 |

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|----------------|-------------------------------------|-----------|
| 631-138 | Network Fundamentals 3 | 1 |
| 631-139 | Troubleshooting Network Resources 1 | 1 |
| 631-140 | Troubleshooting Network Resources 2 | 1 |
| 631-141 | Troubleshooting Network Resources 3 | 1 |
| 150-157 | IT Project Management 1 | 1 |
| 150-158 | IT Project Management 2 | 1 |
| 150-159 | IT Project Management 3 | 1 |
| 804-134 | Mathematical Reasoning | 3 |
| 801-198 | Speech | 3 |
| Credits | | 15 |

Semester 3

| | | |
|----------------|---|-----------|
| 150-169 | Introduction to Enterprise Virtualization 1 | 1 |
| 150-170 | Introduction to Enterprise Virtualization 2 | 1 |
| 150-171 | Introduction to Enterprise Virtualization 3 | 1 |
| 150-183 | Windows Enterprise Server Administration 1 | 1 |
| 150-184 | Windows Enterprise Server Administration 2 | 1 |
| 150-185 | Windows Enterprise Server Administration 3 | 1 |
| 150-186 | LAN Switching & Wireless 1 | 1 |
| 150-187 | LAN Switching & Wireless 2 | 1 |
| 150-188 | LAN Switching & Wireless 3 | 1 |
| 150-189 | System Analysis & Design 1 | 1 |
| 150-190 | System Analysis & Design 2 | 1 |
| 150-191 | System Analysis & Design 3 | 1 |
| 809-198 | Introduction to Psychology | 3 |
| Credits | | 15 |

Semester 4

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|---------|---------------------------------------|---|
| 631-160 | Malicious Software Fundamentals 1 | 1 |
| 631-161 | Malicious Software Fundamentals 2 | 1 |
| 631-162 | Malicious Software Fundamentals 3 | 1 |
| 150-192 | Server & Data Center Virtualization 1 | 1 |
| 150-193 | Server & Data Center Virtualization 2 | 1 |
| 150-194 | Server & Data Center Virtualization 3 | 1 |
| 150-195 | Advanced LAN/WAN Topics 1 | 1 |
| 150-196 | Advanced LAN/WAN Topics 2 | 1 |
| 150-197 | Advanced LAN/WAN Topics 3 | 1 |
| 631-122 | Service Support Internship | 1 |
| 809-196 | Introduction to Sociology | 3 |

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|----------------------|-----------------------|-----------|
| 150-198 | IT Programs Portfolio | 1 |
| Credits | | 14 |
| Total Credits | | 60 |

General Education Courses Within Program

| Code | Title | Credits |
|---------|----------------------------|---------|
| 801-198 | Speech | 3 |
| 801-136 | English Composition 1 | 3 |
| 804-134 | Mathematical Reasoning | 3 |
| 809-196 | Introduction to Sociology | 3 |
| 809-198 | Introduction to Psychology | 3 |