COMPUTER SECURITY
BUSINESS, MANAGEMENT, MARKETING AND TECHNOLOGY

Course Overview:

Program Location: Davenport University (shuttle available)

Sessions Offered: AM

Average Lecture Days/Week: 2–3 Days

Average Lab Days/Week: 2–3 Days

Academic Rigor: 5 out of 5

Homework: Weekly

Required Reading: College-level textbooks; 25 or more pages per week
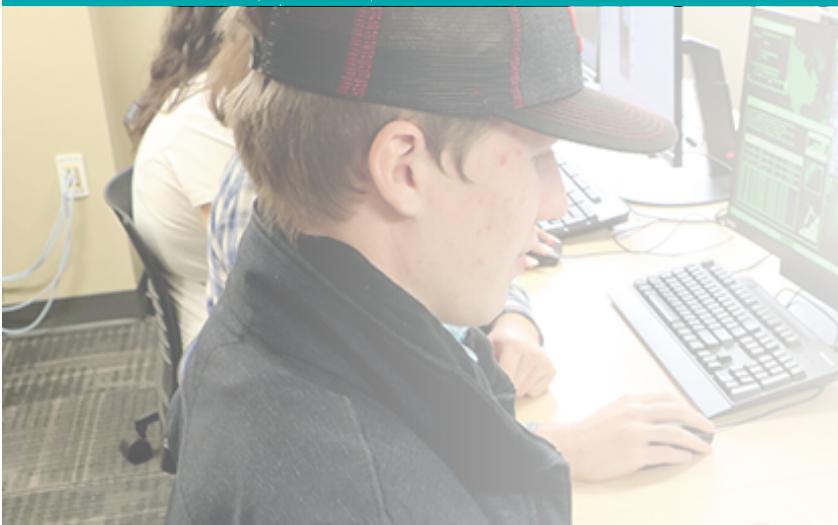
Course Description

This comprehensive program provides an overview of microcomputer operating systems, assuming a basic understanding of computers and Windows. Students will explore operating system concepts, management, and maintenance through installation, troubleshooting, customization, batch file scripting, and file and disk management.

The course emphasizes hands-on learning, including installing, configuring, and administering Microsoft Windows client and server systems. Additionally, it delves into information security, covering organizational and personal computing security topics like cryptography, network security, business continuity, and ethics.

The course also supports students' career and academic success through skill-building in critical thinking, study techniques, and conflict resolution. Students will gain practical skills and knowledge to enhance their technical and professional development.

Student Leadership Opportunities

Students have the opportunity for leadership, competition and community service through membership in SkillsUSA.

Success Indicators

- Strong problem-solving skills
- Likes to work with computers and technology
- Highly organized
- Effective in a team setting and individually

Learning outcomes include, but are not limited to:

- Understand foundational operating system concepts.
- Install and configure operating systems effectively.
- Manage and maintain computer systems and resources.
- Develop and troubleshoot batch files and scripts.
- Demonstrate proficiency in Windows client and server administration.
- Apply principles of information security in personal and organizational contexts.
- Analyze and implement access control systems and security protocols.
- Create business continuity and disaster recovery plans.
- Improve critical thinking, study strategies, and academic skills.
- Develop interpersonal communication and conflict resolution techniques.

College Credits (12)

- ACES 100 – Achieving Career & Education Success (3)
- NETW 101 – PC Operating Systems (3)
- Winter IAAS221 – Security Foundations (3)
- NETW141 – MS Client and Server OS (3)

Available Certifications:

- Red Hat Certification
- Chief Information Security Officer (CISO)
- International Software Testing Qualifications Board (ISTQB)
- Computing Technology Industry Association (CompTIA) A+

Updated 12.2025

FOR MORE INFO:
CONTACT YOUR COUNSELOR,
CALL 517.483.1596, OR
VISIT EATONRESA.ORG/CPC

EATON
REGIONAL EDUCATION SERVICE AGENCY
CAREER PREPARATION CENTER

COMPUTER SECURITY

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PROFESSIONAL CAREERS

- Chief Information Security Officer
- Computer Forensics
- Computer Systems Analyst
- Database Analyst
- Helpdesk Manager
- Information Security
- Systems Analyst
- Technical Writer

TECHNICAL CAREERS

- Backup/Recovery Specialist
- Computer Support Specialist
- Cybersecurity Specialist
- Data Engineer
- Hardware Maintenance Technician
- Network Administrator/Technician
- Systems Administrator/Technician
- Systems Engineer

ENTRY-LEVEL CAREERS

- Associate Computer Support Specialist
- Desktop Support Technician
- Helpdesk Technician
- Networking Assistant
- PC Support Specialist
- Service Desk Technician (Helpdesk Specialist)
- Technical Support Representative
- Web Content Administrator

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Scan the QR code below to learn more and watch the program video.

SCAN ME!

Capital Region Technical Early College (CRTEC)

Students enrolled in this program may choose to participate in the Capital Region Technical Early College (CRTEC) program. This is a high school-to-college program where students start in grade 11 and end their 13th year with a degree or certification. This program gives students relevant career-related experiences.

DAVENPORT UNIVERSITY

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