BUSINESS, MANAGEMENT, MARKETING AND TECHNOLOGY

COMPUTER SECURITY

PROGRAM LOCATION
LCC West Campus

SESSION OFFERED
PM

AVERAGE LECTURE DAYS/WEEK
2-3 days

AVERAGE LAB DAYS/WEEK
2-3 days

HOMEWORK
Weekly

REQUIRED READING
College level textbook
25+ pages/week

EXPLORE THE POSSIBILITIES.
FAST TRACK YOUR FUTURE.
This program provides an introduction to computers, their role in managing business information systems, their influence on society, and their use in personal productivity. Students will also gain skills to diagnose and correct problems that computer users encounter. The student receives practical hands-on experience in installing, maintaining, and troubleshooting computer hardware and software while developing their communication skills and professionalism. This course includes the two current CompTIA A+ certification exams that are required to receive CompTIA A+ certification. In addition, the student in this course learns the fundamentals of Local Area Networks (LANs) and related topics, including Wide Area Networking (WAN). Communication standards such as OSI 7-layer model are introduced.

EXPECTED STUDENT OUTCOMES

- Students exposed to Stack Overflow
- Virtualization
- Identify the parts of a PC
- Install, replace, and upgrade common PC hardware components
- Define and explain the functions and interactions of all PC subsystems
- Tear down and rebuild a complete PC
- Install and troubleshoot PC peripherals such as printers and modems
- Install several common Operating Systems and use common tools for desktop system administration and problem diagnosis
- Identify safety and security issues
- Distinguish between wide area and local area networks, and describe characteristics of each
- Describe common network components and how they connect to and communicate with each other
- Describe the various ways data is represented and organized into packets or frames for transmission from one location to another
- Discuss issues related to securing networks
- Describe uses of networks in business
- Explain the interrelationship between computer hardware and software development and society in an information age
- Describe the various classes of computers, the hardware which they utilize, and types of applications for which they are developed

CAREERS

Computer Network Support Specialist
Computer User Support Specialist
Computer System Analyst

MEDIAN WAGE

Computer Network Support: $15.83 hourly
Computer User Support Specialist: $18.95 hourly
Computer System Analyst: $16.86 hourly

EMPLOYMENT OUTLOOK

Faster than average, 10% to 14%

CERTIFICATIONS

Red Hat Certification
Chief Information Security Officer (CISO)
ISTQB® Certification
CompTIA A+

SUCCESS INDICATORS

Have strong problem solving skills, like to work with computers and technology, highly organized, effective in a team setting and individually.

STUDENT LEADERSHIP

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

12 COLLEGE CREDITS

CITF 110 - Introduction to Computer Information Systems
CTN 120 - Networking Concepts
CITS 125 - Computer Support: A+ Certification Prep

ACADEMIC RIGOR

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CAPITAL REGION TECHNICAL EARLY COLLEGE

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

ENROLL NOW!  CONTACT YOUR COUNSELOR OR CALL 517.483.9966  WWW.EATONRESA.ORG/CPC