CYBER TECHNICIAN

Provide help and advice to computer users and organizations. Students prepare for COMPTIA Security+ and COMPTIA Network+ certifications.

Analyze & Secure systems, networks, and datasets | Windows & Linux | Maintain, repair, and build PC's | Troubleshoot computer problems

Suggested Abilities

‣ 8th grade English reading, writing, speaking, and listening

Prerequisites

‣ *High School Students: Meet with counselor for eligibility requirements*

Class Hours

‣ Morning: 8:40am - 11:30am, Mon. - Fri.

‣ Afternoon: 12:10pm - 3:00pm, Mon. - Fri.

SEMESTER 1

CNG 1001 Networking Fundamentals
3 credits

Covers network fundamentals: the OSI model, TCP/IP suite, Ethernet basics, IP addressing, and constructing simple LANs.

CIS 1015 Intro to Computer Information Systems
3 credits

Overview of computer information systems: organizational needs and roles, computer requirements, history, hardware, programming, systems development, operations, and introductory applications

CNG 1021 Computer Technician I: A+
4 credits

PC hardware, operating system features, security, interpersonal skills, hands-on setup, maintenance, and troubleshooting to prepare students for the CompTIA A+ Essentials exam.

CNG 1022 Computer Technician II: A+
4 credits

Covers operating system installation, configuration, and upgrades; hardware topics like modems, tape/CD-ROM/SCSI, laser printers, and backup power; and prepares for CompTIA A+ exam.

MAC 2075 Special Topics: Machine Shop Math
3 credits

Introductory mathematical topics such as measurement, algebra, geometry, trigonometry, graphs, and finance. Emphasis is placed on practical applications of these concepts.

CNG 1024 Networking I: Network +
3 credits

Networking fundamentals: installing and configuring and supporting networks. Prepares students for the follow-up course Networking II: Network+.

CNG 1025 Networking II: Network +
3 credits

Vendor independent networking skills and concepts that affect all aspects of networking, preparing students for Network+ Certification.

CNG 1031 Principles of Information Assurance
3 credits

Communication security, common attacks, cryptography basics, operational/physical security, disaster recovery, business continuity, and forensics.

CNG 1032 Network Security Fundamentals
3 credits

Communication security, common attacks, cryptography basics, operational/physical security, disaster recovery, business continuity, and forensics.

CNG 2085 Independent Study
2 credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.

Cyber Technician Certificate

1 year
31 Credit Hours

PICKENS
TECHNICAL COLLEGE