Program Description

This career certificate is designed to provide students with technical understanding of computer technology, networking and security, as well as the communication skills and professionalism required of all entry-level IT professionals. Skills included software and hardware installation, network configuration and diagnosing, and preventive maintenance and security fundamentals. This certificate program is more of a "hands-on" orientation focused on scenarios in which troubleshooting and tools must be applied to resolve problems. It also prepares students to take professional CompTIA A+, Linux +, Network+, and Security+ certificates.

Program Outcomes

Upon completion of this program a student will be able to:

• Demonstrate solid foundation skills and competency in a range of microcomputer hardware and software configuration and troubleshooting techniques.
• Demonstrate safe practices in the use of microcomputer hardware and software.
• Demonstrate ability, verbally and in writing, to think critically and analyze network structures.
• Demonstrate problem solving that employs technical skills and comprehension of networking with application to current industry.
• Demonstrate and employ the skills and concepts used to secure networks.
• Demonstrate constructive and organized work habits.
Program Requirements
A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

Program Requirements
NWIT 127 - Microcomputer Essentials 3 semester hours
NWIT 170 - Network Operating Systems 3 semester hours
NWIT 173 - Network Security 3 semester hours
CMSC 253 - UNIX/LINUX System Administration 4 semester hours
NWIT or CMSC Elective 3 semester hours

Total Credit Hours: 16