

Broadband Installer (Broadband Services Level 2)

10150139

IT Essentials

Credits: 2

The IT Essentials (ITE) course introduces students to the fundamentals of computer hardware and software, mobile devices, security and networking concepts, and the responsibilities of an IT professional. The latest release includes mobile devices, Linux, and client side virtualization, as well as expanded information about Microsoft Windows operating systems, security, networking, and troubleshooting. This course covers materials on the Comptia A+ certification exam.

32451370

Broadband Fiber Service 201

Credits: 3

This course will introduce the students to industry specifications and practices for understanding fiber optic communication systems. Topics covered include fiber optic design, installation, test and maintenance for multimode and singlemode networks. This class will benefit those with little or no fiber experience. (This class includes a hands-on skills assessment)

32451373

Broadband Cable Installation 201

Credits: 3

The student will design and install network cabling. The focus will be to understand voice and data networking. The basic cable installer will be able to build and administrate the physical layer of network infrastructure and gain a deeper understanding of the networking devices that this layer interconnects. (This class includes a hands-on skills assessment)

32150375

Broadband Network 201

Credits: 3

Students will learn to identify and describe the various components of a computer network, identify and compare the different networking topologies, and select appropriate cabling and connections options. Identification of hardware and software components that make up a local area network and configuration of the TCP/IP protocol, including planning and implementation, will be covered. Students will gain an understanding of the concept of resource sharing and network troubleshooting tools and procedures and apply them to their work. PREREQUISITE: IT Essentials 10150139.

32451376

Broadband Termination and Testing 201

Credits: 3

This course is designed to train those with no previous knowledge in the industry for entry-level employment in the field of security system installation. The course provides comprehensive teacher-led instruction in CCTV, analog/hybrid, facial recognition, IP based security system equipment. (This class includes a hands-on skills assessment)