Information Technology and Infrastructure Management
Dual Credit Agreement

Program Description: This program is designed to consist of a combination of job simulated and live projects providing the student with real "hands-on" learning experiences. Students will be provided with a first-hand knowledge of the software, hardware, and operation of computers, network devices, wireless and other advanced technology used in industry today. This may include building, repairing, troubleshooting, installing, networking and servicing computers, network devices, firewalls, mobile devices and other advanced IT/IS devices. The instruction also includes an introduction to information management, cybersecurity, workstations, servers, network infrastructure, and other advanced technology including a thorough education in information technology and information systems. Instruction continues with networking, security, communications, multiple operating systems, and culminates with system and network analysis, diagnosis, and advanced troubleshooting. For more information, visit https://tcatshelbyville.edu/programs/information-technology-and-infrastructure-management.

Instructor(s): Steve Mallard - steve.mallard@tcatshelbyville.edu;
Mike Miller - mike.miller@tcatshelbyville.edu

Total Time Commitment of Program: 2160 clock hours

Aligned Secondary Program of Study: Cybersecurity

Postsecondary Course(s) for which Dual Credit will be Awarded: Security+

Assessment Range and Hours Awarded:

- 0-79 = 0 clock hours
- 80-85 = 70 clock hours
- 86-90 = 80 clock hours
- 90-94 = 90 clock hours
- 95-100 = 100 clock hours

Student may retest if an 80 or above is not achieved. Students must wait two weeks between exams.

Skill Assessment:

Assessment will include both hands-on and written evaluations.

Students must be able to demonstrate the following skillsets:

- Demonstrate scanning a network with appropriate software
- Demonstrate using command line commands given by the instructor

- Demonstrate using NMap and provide an oral description of findings
- Demonstrate using and creating a VPN
- Demonstrate joining Active Directory Domain

Aligned Industry Certifications and Hours Awarded:

- Microsoft Technology Associate- 98-367 = 100 clock hours
- CompTia A+ = 100 clock hours
- CompTia Network+ = 100 clock hours
- CompTia Security+ = 150 clock hours
- **Students will be awarded 332 clock hours for MTA 98-367 and CompTia Security+.**
- **Students will be awarded 432 clock hours for all four industry certifications.**

Total Possible Dual Credit Hours Awarded from TCAT Shelbyville Assessment: 100 clock hours

Total Possible Dual Credit Hours Awarded from Industry Certifications: 432 clock hours

Disclaimer: The maximum possible award that a student can earn is 432 clock hours.