

NETWORK ENGINEERING, CERTIFICATE OF COMPETENCY (NETC)

Effective: Fall 2016

This certificate option will provide students with a knowledge base and skill set teaching students the various types of computers and networking devices, network connectivity and communications, current industry standard client and server operating systems and networking security concepts. The program is designed to prepare students for entry-level employment as Networking Support Technicians. Students will learn the components that make up a computing system and network, along with learning how to utilize industry standard applications, operating systems, troubleshooting utilities and security related hardware and software. The program will provide students with necessary skills to use and troubleshoot common applications and their problems, install and configure current industry standard operating systems, connect computers together through LAN and WAN technologies and devices and provide an understanding of how to apply and implement secure network administration procedures and policies.

Program Outcomes

- Describe how the components of a computer system function
- Install and configure Windows client operating systems
- Describe various network services and standards
- Install and configure Windows Server operating systems
- Implement secure network administration procedures

Curriculum

The College will award a certificate of competency to students who complete an approved credit-bearing career program that requires less than 30 credits. General education courses may not be required for programs that have less than 30 credits. The student must have a cumulative GPA of 2.0 or higher. At least six (6) credits, or 50% of the total credits required, whichever is greater, must be completed at Delaware County Community College.

First Semester		Hours
CS 100	Introduction to Information Technology	3
NET 115	Microsoft Windows	4
Hours		7
Second Semester		Hours
NET 110	Network Communications	3
NET 116	Microsoft Hybrid Server: Core Infrastructure	4
NET 142	Cyber and Network Security Concepts	4
Hours		11
Total Hours		18

Career