

	Class	Lab	Clinic	Work	Credit
acquired in pre-requisite courses. Upon completion, students should be able to perform tasks related to VLSM, routing protocols, switching concepts and configuration, STP, VLANs, and VTP.					
NET 226 Routing & Switching II	1	4	0	0	3
Prerequisites: NET 225					
Corequisites: None					
This course introduces WAN theory and design, WAN technology, PPP, Frame Relay, ISDN, and additional case studies. Topics include network congestion problems, TCP/IP transport and network layer protocols, advanced routing and switching configuration, ISDN protocols, PPP encapsulation operations on a router. Upon completion, students should be able to provide solutions for network routing problems, identify ISDN protocols, and describe the Spanning Tree protocol.					
NOS 110 Operating System Concepts	2	3	0	0	3
Prerequisites: None					
Corequisites: None					
This course introduces students to a broad range of operating system concepts, including installation and maintenance. Emphasis is placed on operating system concepts, management, maintenance, and resources required. Upon completion of this course, students will have an understanding of OS concepts, installation, management, maintenance, using a variety of operating systems.					
NOS 120 Linux/UNIX Single-User	2	2	0	0	3
Prerequisites: NOS 110					
Corequisites: None					
This course develops the necessary skills for students to develop both GUI and command line skills for using and customizing a Linux workstation. Topics include Linux file system and access permissions, GNOME Interface, VI editor, X Window System expression pattern matching, I/O redirection, network and printing utilities. Upon completion, students should be able to customize and use Linux systems for command line requirements and desktop productivity roles.					
NOS 130 Windows Single User	2	2	0	0	3
Prerequisites: None					
Corequisites: None					
This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment.					
NOS 230 Windows Administration I	2	2	0	0	3
Prerequisites: NOS 130					
Corequisites: None					
This course covers the installation and administration of a Windows Server network operating system. Emphasis is placed on the basic configuration of core network services, Active Directory and group policies. Upon completion, students should be able to install and configure a Windows Server operating system.					
OST 130 Comprehensive Keyboarding	2	2	0	0	3
Prerequisites: None					
Corequisites: None					
This course is designed to develop keyboarding skills and introductory document formatting. Emphasis is placed on keyboarding techniques and formatting basic business documents. Upon completion, students should be able to create documents in an ever-changing workplace.					