

ITS - INFORMATION TECHNOLOGY SYSTEMS

ITS 161 MS Windows 7 Configuration. Lecture Hours 3 Department: Computer Technologies - COT	3 Credits	
ITS 162 Wndws Srvr 08 Actv Drctry Cnfg. Lecture Hours 3 Department: Computer Technologies - COT	3 Credits	
ITS 166 Configuring MS Windows 10. Term Typically Offered: Fall Prerequisite(s): CAPP 120. Provides students with the knowledge and skills required to set up and administer a computer running Microsoft Windows 10 operating system as a single workstation and a member of a domain. The course provides the skills required to perform basic installation, configuration tasks, and day-to-day administration tasks in a Windows-based network. The course also teaches students how to troubleshoot basic installation, configuration, and administration problems. Lecture Hours 2, Lab Hours 2 Department: Computer Technologies - COT	3 Credits	
ITS 182 Help Desk Support. Provides an overview of topics relevant to working a help desk. Included are sections on people, processes, technology, and information, and how these components come together to instruct the student on how the Help Desk functions to support business operations. Lecture Hours 2, Lab Hours 2 Department: Computer Technologies - COT	3 Credits	
ITS 212 Network Operating Sys-Server A. Term Typically Offered: Fall Prerequisite(s): ITS 166. (2 lec/2lab/wk.) Provides students with the knowledge and skills required to set up and administer a computer running Microsoft Server 2016 operating system in a single domain environment. The course provides the skills required to perform basic installation, configuration tasks, and day-to-day administration tasks in a Microsoft-based network. The course also teaches students how to troubleshoot basic installation, configuration, and administration problems. The course content applies to the Windows 2016 Server network operating system and the Windows client operating system. Lecture Hours 2, Lab Hours 2 Department: Computer Technologies - COT	3 Credits	
ITS 217 Network OS - Server Admin/Apps. Term Typically Offered: Fall Prerequisite(s): ITS 161 & ITS 162. Provides students with the knowledge and skills to configure and troubleshoot a Windows Server 2008 network infrastructure. Students will learn to implement and configure secure network access and implement fault tolerant storage technologies. Students will gain an understanding of the networking technologies most commonly used with Windows Server 2008 and IP-enabled networks. Students will also learn how to secure servers and maintain update compliance. Lecture Hours 3 Department: Computer Technologies - COT	3 Credits	
ITS 224 Introduction to Linux. Term Typically Offered: Fall, Spring Provides students with the knowledge and skills required to set up and administer a computer running a Linux operating system. The course provides the skills required to perform basic installation, configuration tasks, and day-to-day administration tasks in a Linux network. The course also teaches students how to troubleshoot basic installation problems and perform system maintenance. Lecture Hours 3 Department: Computer Technologies - COT	3 Credits	
ITS 256 CCNA Security. Term Typically Offered: Fall Prerequisite(s): NTS 105. Provides students with the technical knowledge required of foundation-level security practitioners. Provides a foundation level of skill and knowledge in general security concepts, communication security, infrastructure security, basics of cryptography, and operational/organizational security. Lecture Hours 3 Department: Computer Technologies - COT	3 Credits	
ITS 257 Intro to Comp Virtualization. Term Typically Offered: Spring Prerequisite(s): ITS 212, ITS 224. Introduces operating system virtualization and shared storage. Emphasis is placed on virtualization terminology, virtual machine storage, virtual networking, and access control. Students will install, configure, and troubleshoot a computing environment that includes virtualization software from multiple software vendors. Upon completion, students should be able to perform tasks related to installation, configuration, and management of virtual machines. Students should explain the role of shared storage in OS virtualization. Lecture Hours 3 Department: Computer Technologies - COT	3 Credits	
ITS 260 CCNP 1: Routing. Prerequisite(s): NTS 205. Addresses those tasks that network managers and administrators need to perform when managing access and controlling overhead traffic in growing, routed networks once basic connectivity has been established. This course also discusses router capabilities used to control traffic over LANs (local area network) and WANs (wide area network), as well as connecting corporate networks to an Internet Service Provider (ISP). Lecture Hours 2, Lab Hours 4 Department: Computer Technologies - COT	4 Credits	
ITS 264 CCNP3: Switching. Prerequisite(s): NTS 205. Teaches network administrators how to build campus networks using multi-layer switching technologies over high speed Ethernet. This course addresses how routing and switching concepts and implementations along with various technologies work together. Lecture Hours 2, Lab Hours 4 Department: Computer Technologies - COT	4 Credits	
ITS 274 Adv Hrdwr/Sftwr Trbl & Spprt. Term Typically Offered: Spring Prerequisite(s): ITS 162 & ITS 280. Studies advanced software applications in order to solve in-depth business cases. Provides students with the skills necessary to troubleshoot computers, networks, and peripheral devices. Students complete software and hardware installation projects to increase competency and hands-on skills and then learn how to troubleshoot common problems associated with each stage of the project. Lecture Hours 3 Department: Computer Technologies - COT	3 Credits	

ITS 280 Computer Repair & Maintenance. 3 Credits

Prerequisite(s): CAPP 120 or Instructor Approval.

Provides students with the skills necessary to install and troubleshoot hardware devices. Topics include system setup, RAM, hard and floppy drives, data buses, power supplies, IO cards, and diagnostic tools.

Lecture Hours 3

Department: Computer Technologies - COT

ITS 283 Health Information Networking. 3 Credits

Term Typically Offered: Spring

Prerequisite(s): CAPP 120, NTS 104, and NTS 105.

Equips students with the knowledge and skills that can be applied toward entry-level specialist careers in healthcare networking. Health Information Networking is a blended curriculum with both online and classroom learning. Health Information Networking aims to develop an in-depth understanding of principles and practicalities needed for information technology professionals wishing to specialize in healthcare network implementations.

Lecture Hours 2, Lab Hours 2

Department: Computer Technologies - COT

ITS 284 Network Storage. 3 Credits

Term Typically Offered: Spring

Prerequisite(s): ITS 217 or consent of instructor.

Provides students with the knowledge and skills required to set up and administer digital information in traditional media, network media storage devices, and virtual media storage devices.

Lecture Hours 3

Department: Computer Technologies - COT

ITS 289 Professional Certification. 1 Credit

Term Typically Offered: Spring

Prerequisite(s): NTS 205.

Pass/No Pass

Prepares students to successfully pass the Cisco CCNA exam by reviewing current exam requirements and topics and building students' self-confidence as they prepare for the exam.

Lecture Hours 1

Department: Computer Technologies - COT

ITS 291 Special Topics. 1-4 Credits

Lecture Hours 1-4

Department: Computer Technologies - COT

ITS 292 Independent Study. 1-6 Credits

Department: Computer Technologies - COT

ITS 294 Seminar/Workshop. 0.5-5 Credits

Prerequisite(s): CAPP 120.

Investigates intensively topics pertaining to an area of data processing.

Department: Computer Technologies - COT

ITS 298 Cooperative Educ/Internship. 1-9 Credits

Department: Computer Technologies - COT