Information Tech Sys (ITS)

Courses

ITS 1105 Computer Hardware: 1 semester hour.
This course covers the computer hardware component of CompTIA A+. Students who complete this course will be able to explain the internal components of a computer, describe how to assemble a computer system and install an operating system. Students, working through hands-on activities, will gain skills in computer assembly, configuration, and maintenance. PREREQ: ITS Major and a minimum score of 14 on ALEKS or equivalent. F, S

ITS 1120 Introduction to Linux: 3 semester hours.
Introduction to LINUX operating system and graphical user interfaces. Includes an overview of the Red Hat Linux distribution. Lecture/laboratory. PREREQ: minimum score of 14 on ALEKS or equivalent. F, S

ITS 1125 Introduction to VMWare: 3 semester hours.
Introduction to basic concepts and fundamentals of virtualization. PREREQ: ITS Major. F, S

ITS 1135 Windows Desktop Operating Systems: 3 semester hours.
Students will be introduced to the latest Microsoft Desktop Operating System used in the Information Technology industry. PREREQ: minimum score of 14 on ALEKS or equivalent. F, S

ITS 1150 Networking I: 4 semester hours.
Introduction to the OSI reference model, network addressing, sub-netting, TCIP/IP network-layer protocols, LAN media and topology, and networking devices. PREREQ: minimum score of 14 on ALEKS or equivalent. F, S

ITS 1165 Cybersecurity: 3 semester hours.
An introduction to Cybersecurity that explores the importance of cybersecurity, data confidentiality, best practices for using the internet and social media safely, and potential opportunities in this growing field. PREREQ: ITS 1150

ITS 1180 Network Operating Systems I: 4 semester hours.
Study of multi-user, multi-tasking networking operating systems. Characteristics of current industry operating systems software. Topics include installation procedures, security issues, back up procedures and remote access. Lecture/Laboratory. PREREQ: ITS 1135. F, S

ITS 1199 Experimental Course: 1-6 semester hours.
The content of this course is not described in the catalog. Title and number of credits are announced in the Class Schedule. Experimental courses may be offered no more than three times with the same title and content. May be repeated.

ITS 2205 Information Technology Internship: 7 semester hours.
Students will work in the information technology industry performing various tasks related to IT roles, putting their classroom learning into practical situations. PREREQ: ITS 1150. Su

ITS 2215 Networking II: 4 semester hours.
Introduction to basic configuration methods for network systems to include IP routing protocols, VLANS, switching technologies, STP WLAN Technologies, Security Concepts, and safety procedures. PREREQ: ITS 1150. F, S

ITS 2218 PowerShell Scripting: 3 semester hours.
Introductory PowerShell scripting class that focuses on using PowerShell scripts to automate common system administration tasks. PREREQ: ITS 1135. F, S

ITS 2220 Networking III: 4 semester hours.
Advanced study of routing methods for network systems to include IP routing protocols, OSPF Single-area, OSI model, VPN and IPSec Concepts, Network Design and Troubleshooting, Network Security Concepts, and safety procedures. PREREQ: ITS 2215. F, S

ITS 2235 Network Operating Systems II: 4 semester hours.
Students will learn how to implement and configure the core and advanced networking technologies in Windows Server 2016. This will include such topics as DNS, DHCP, Remote Access and Distributed Network solutions. PREREQ: ITS 1180 with a minimum grade of C-, ITS Major. F, S

ITS 2280 Network Operating Systems III: 4 semester hours.
Advanced study of Active Directory Domain Services (AD DS) in a distributed environment. Students will gain a deeper understanding of Active Directory, including troubleshooting AD issues as well implementing key components for managing a Microsoft environment such as Group Policy. PREREQ: ITS 1180 with a minimum grade of C-, ITS Major. F, S

ITS 2290 Internship: 1-7 semester hours.
On-the-job experience in the information technology field. PREREQ: Pertinent course preparation and permission of program coordinator. May be repeated up to 7 credits. F, S, Su

ITS 2296 Independent Study: 1-8 semester hours.
Addresses specific learning needs of individuals for the enhancement of knowledge and skills within the program area under the guidance of an instructor. May be repeated. Graded S/U, or may be letter-graded. PREREQ: Permission of the instructor. D

ITS 2298 Special Topics: 1-8 semester hours.
Addresses the specific needs of industry, enabling students to upgrade technical skills that are not included in the current program curriculum. May be repeated. Graded S/U, or may be letter-graded. PREREQ: Permission of instructor. D

ITS 2299 Experimental Course: 1-6 semester hours.
The content of this course is not described in the catalog. Title and number of credits are announced in the Class Schedule. Experimental courses may be offered no more than three times with the same title and content. May be repeated.