Information Tech Sys (ITS)

Courses

**ITS 0105 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. F, S

**ITS 0120 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. F, S

**ITS 0125 Introduction to VMWare: 3 semester hours.**
Introduction to basic concepts and fundamentals of virtualization. PREREQ: ITS Major. F, S

**ITS 0135 Windows Desktop Operating Systems: 3 semester hours.**
Students will be introduced to the latest Microsoft Desktop Operating System used in the Information Technology industry. F, S

**ITS 0150 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. F, S

**ITS 0165 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 0150

**ITS 0180 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 0135. F, S

**ITS 0199 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 0205 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 0150. S

**ITS 0215 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 0150. F, S

**ITS 0218 PowerShell Scripting: 3 semester hours.**
Introductory PowerShell scripting class that focuses on using PowerShell scripts to automate common system administration tasks. PREREQ: ITS 0135. F, S

**ITS 0220 Networking III: 4 semester hours.**

**ITS 0225 Intermediate VMWare: 3 semester hours.**
Install, Configure, and Manage VMWare vSphere using a variety of functions and features with hands-on labs. PREREQ: ITS 0125 with a minimum grade of C-, ITS Major. F, S

**ITS 0235 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 0180 with a minimum grade of C-, ITS Major. F, S

**ITS 0280 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 0180 with a minimum grade of C-, ITS Major. F, S

**ITS 0290 Internship: 1-8 semester hours.**
On-the-job experience in the information technology field. PREREQ: Pertinent course preparation and permission of program coordinator. F, S, Su

**ITS 0296 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 0298 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 0299 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.