

<i>Course</i>	<i>Course Title</i>	<i>Course Description</i>	<i>Pre-Req/Co-Req</i>	<i>When Offered</i>
CPT 101	Introduction to Computers	Microsoft Office Applications – Word, Excel, Access, Powerpoint		Every Semester
CPT 209	Computer Systems Management	This course focuses on PC hardware installation, configuration and troubleshooting. Prepares the student for the A+ core exam	Placement into MAT 101 or completion of MAT 032	Every Semester
CPT 234	C Programming I	Introduction to programming use the C++ programming language	MAT 109, Co-req CPT 257	Every Semester
CPT 257	Operating Systems	This course focuses on PC Operating System installation, configuration and troubleshooting. Prepares the student for the A+ Operating Systems exam.	Placement into MAT 101 or completion of MAT 032	Every Semester
CPT 267	Technical Support Concepts	This course introduces student to technical support/help desk support concepts and techniques for supporting computers and networks. This course will help prepare students for the Microsoft Certified Desktop Support Technician (MCDST) certification	Placement into MAT 102, Completion of CPT 209, CPT 257, IST 220	Fall/Spring/Summer
CPT 268	Computer End User Support	This course prepares students to support end users. Emphasis is on solving problems with users.	CPT 267	Summer/As Required
CPT 280	Student Internships	Students work with local company to gain work experience	DH Approval	Every Semester
IST 190	Linux Essentials	This course is the first of two courses required for students preparing for the Red Hat Certified Technician (RHCT) professional certification. This course is required as part of the Network Associates degree	CPT 257	Spring/Summer
IST 191	Linux Administration	This is the second of two courses required for students preparing for the RHCT certification. This course is also a part of the Network Associates degree	IST 190	Fall/Spring
IST 192	Linux Network Applications	This course will provide students with the skills necessary to deploy and administer the core networking services in a Linux system, such as Apache Web Server, Samba File Server, BIND Domain Name Service, NFS, and others	IST 191	As required
IST 193	Linux Security Administration	This course will provide students with the skills necessary to implement and administer basic LINUX security polices, including authentication, security network applications, system monitoring, encryption and others	IST 192	As required
IST 201	CISCO Internetworking Concepts	Introduction to routing using Cisco routers. Course prepares student for CCNA	IST 220	Fall
IST 202	Router Configuration	Students learn how to configure and maintain Cisco routers. Course prepares student for CCNA	IST 201	Fall
IST 203	Advanced Cisco Router Configuration	Students learn the advanced configuration procedures and parameters. Course prepares student for CCNA	IST 202	Spring
IST 204	Cisco Troubleshooting	Students learn the steps necessary to troubleshoot and correct	IST 203	Spring

		router problems. Course prepares student for CCNA		
IST 220	Data Communications	This course provides students with an introduction to networking concepts. This course prepares student for the CompTIA Network+ exam	Placement into MAT 101 or completion of MAT 032	Every Semester
IST 236	Mobile and Wireless Appliances	This course is a survey of the protocols and interface standards for wireless	IST 220	Spring Summer
IST 241	Network Architecture	This course provides students with an introduction to the TCP/IP Protocol suite. Students learn about DNS, DHCP, RAS, NAT, Subnetting. This course prepares students for the Microsoft certification exam	IST 220	Spring/Summer
IST 256	LAN Desktop Technologies	This course is a study of the Windows XP Professional Desktop operating system. This course prepares student for the Microsoft certification exam.	IST 220	Fall/Spring
IST 257	LAN Network Server Technologies	This course is a study of the Windows 2000/2003 Server operating system. This course prepares student for the Microsoft certification exam.	IST 256	Fall/Spring
IST 260	Network Design	This course is a study of managing a Microsoft Windows 2000 network. This course prepares student for the Microsoft certification exam	IST 204, 241, 257, 266	Fall/Spring
IST 266	Internet and Firewall Security	This course is a study of internet and firewall security and incorporates hands-on exercises to secure local area networks.	IST 220	Fall/Spring/Summer
IST 267	Network Vulnerability Assessment	This course provides students with the knowledge and skills necessary to test network security using network vulnerability assessment tools and methods. Students will also learn how to improve network security based on the assessment results	IST 191, IST 257, IST 292	Spring
IST 268	Computer Forensics	This course provides students with a foundational knowledge in computer forensics investigation. Students are introduced to the skills, tools and methods used to gather, document, and handle electronic evidence.	IST 191, IST 257, IST 292	Spring
IST 272	Relational Database	This course provides a comprehensive foundation in both SQL and relational database design and implementation	CPT 234	Every Semester
IST 291	Fundamentals of Network Security I	This course is a study of intro levels of security processes based on a security policy, emphasizing hands-on skills in the areas of secure perimeter, security connectivity, security management, identity services, and intrusion detection. This course prepares students to manage network security	IST 204, IST 266, IST 293	Fall
IST 292	Fundamentals of Network Security II	This course is a study of advanced security processes based on a security policy, emphasizing hands-on skills in the areas of secure perimeter, security connectivity, security management, identity services, and intrusion detection. This course prepares	IST 291	Fall

		students to install and configure secure firewalls.		
IST 293	IT and Data Assurance I	This course introduces the basics of network security. Topics covered will include network vulnerabilities and threats, security planning, security technology, network security organization, as well as legal and ethical issues related to network security.	IST 220	Fall/Spring/Summer