

AS Computer Network Technology -- Network Security and Administration

The Computer Networking Technology program prepares students for a variety of career opportunities including the networking field. CNT classes prepare students for Cisco CCNA and CCNP certification tests, Microsoft MCSE and MCSA tests, and CompTIA Net+, Security+ and A+ tests. Constantly evolving and modernizing classes include targeted skills training in Emerging Technologies like Wireless, VoIP, VPN, Computer Forensics, Incident Response, Network Security and OS Hardening. Many of these subjects have become basic required knowledge even in other career fields. Students in Business, the Sciences, Arts and Administration of Justice will all need skills in network technologies to excel in their fields. The Certifications for Achievement and Career Certifications provide quick paths to validate training in today's important tech knowledge areas. The program also includes an AS degree in Network Security Administration. This degree incorporates the latest in Emerging Technologies and skills employers are seeking.

SEMESTER 1 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CIS 50 (Intro to Computer Info Tech)	3		Fall, Spring, & Summer
CNT 50 (Introduction to Desktop Operating Systems) OR CIS 65 (Introduction to Desktop Operating Systems)	2	CIS 50 (Strongly Recommended)	Fall & Spring
ENG 1A (Critical Reading and Composition)	3	ENG 104 or ENG 105 with a "Pass" or ESL 25 or equiv course or appropriate skill level demonstrated through the Eng assessment process (Pre-Requisite)	Fall, Spring & Summer
MATH 55 (Intermediate Algebra)	5	MATH 65 or MATH 65B (Pre-Requisite)	Fall, Spring & Summer
SEMESTER TOTAL	13		

SEMESTER 2 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CNT 51 (CompTIA's A+ Certification Computer Technician)	2	CNT 50 (Strongly Recommended)	Fall & Spring
CNT 51B (A+ Operating System Fundamentals) <i>Course has been deactivated - CNT dept must provide substitution course</i>	2	CNT 51A (Strongly Recommended)	Fall & Spring
CNT 52 (Networking Fundamentals)	3	CIS 50 (Strongly Recommended)	Fall & Spring
General Education Course (Social & Behavioral Science)	3		Fall, Spring & Summer
General Education Course (Natural Science)	3		Fall, Spring & Summer
SEMESTER TOTAL	13		

SEMESTER 3 - SUMMER

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
General Education Course (Humanities/American Cultures)	3		Fall, Spring & Summer
General Education Course (Kinesiology)	1		Fall, Spring & Summer
SEMESTER TOTAL	4		

SEMESTER 4 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CNT 43 (Professional Communications)	3	ENG 1A (Pre-Requisite)	Fall & Spring
CNT 62A (Cisco Networking Academy CCNA I)	4	CIS 50 (Strongly Recommended)	Fall
Elective Tracks***	3-4	See Below	See Below
Elective Tracks***	3-4	See Below	See Below
SEMESTER TOTAL	13-15		

SEMESTER 5 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CNT 62B (Cisco Networking Academy CCNA II)	4	CNT 62A (Pre-Requisite)	TBA
Elective Tracks***	3-4	See Below	See Below
Elective Tracks***	3-4	See Below	See Below
Elective Course (AA-Degree Applicable)	3		Fall, Spring & Summer
Elective Course (AA-Degree Applicable)	0-3		Fall, Spring & Summer
SEMESTER TOTAL	13-18		
Total Major Coursework	32		
Total Units Required (Minimum)	60		

ELECTIVE TRACKS (Complete one track in its entirety. If the track is not 12 units, then complete additional coursework from other tracks to obtain a minimum of 12 units)***

CCNP Track			
CNT 63 (CISCO CCNP Semester 5 – Advanced Routing)		COURSE NO LONGER OFFERED	
CNT 64 (CISCO CCNP Semester 6 – Remote Access)		COURSE NO LONGER OFFERED	
CNT 65 (CISCO CCNP Semester 7 – Multilayer Switching)		COURSE NO LONGER OFFERED	
CNT 66 (CISCO CCNP Semester 9 – Internetworking)		COURSE NO LONGER OFFERED	
Network and Wireless Security Track			
CNT 67 (WUFU Cisco & CWNA)	3	CIS 50 (Strongly Recommended) OR CNT 55 (Strongly Recommended)	TBA
CNT 68 (Computer Forensics I)	3	CIS 50 (Strongly Recommended)	TBA
CNT 69 (Network Security Sec+)	3	CNT 51B (Strongly Recommended) OR CIS 50 and CNT 51A (Strongly Rec.)	Fall

Network Administration Track			
CNT 55 (Windows Server)	3	CNT 51B and CNT 52 (Strongly Recommended)	Spring
CNT 56 (Implementing Windows Network Infrastructure)	3		Fall
CNT 57 (Implementing Windows Active Directory Services)	3		TBA
Network Analysis Track			
CNT 74.1 (Introduction to Linux/Unix, Linux+)	4	CIS 50 (Strongly Recommended)	Fall
CNT 75.1 (WhiteHat Hacker Penetration Testing)	4	One of the following: CNT 67, 69, 62A, 57, 55 (Strongly Recommended)	Spring
CNT 75.2 (Wireshark, TCP/IP Analysis and Network Troubleshooting)	4	CIS 50 (Strongly Recommended)	TBA
Computer Operating System Security Track			
CNT 55 (Windows Server)	3	CNT 51B and CNT 52 (Strongly Recommended)	Spring
CNT 69 (Network Security Sec+)	3	CNT 51B (Strongly Recommended) OR CIS 50 and CNT 51A (Strongly Rec.)	Fall
CNT 74.1 (Introduction to Linux/Unix, Linux+)	4	CIS 50 (Strongly Recommended)	Fall
CNT 75.2 (Wireshark, TCP/IP Analysis and Network Troubleshooting)	4	CIS 50 (Strongly Recommended)	TBA
Computer Forensics Track			
CNT 68 (Computer Forensics I)	3	CIS 50 (Strongly Recommended)	TBA
CNT 70 (Computer Forensics II)	3	CIS 50 OR CNT 68 (Strongly Recommended)	TBA
CNT 75.1 (WhiteHat Hacker Penetration Testing)	4	One of the following: CNT 67, 69, 62A, 57, 55 (Strongly Recommended)	Spring

NOTE: Completion of LPC's General Education Pattern for Associate in Science Degree is required.

Last Updated: 12/15/16