

**COMPUTER INFORMATION TECHNOLOGY --  
NETWORK ADMINISTRATOR AND SUPPORT AAS  
CONVERGENCE TECHNOLOGY SPECIALIZATION**

Effective 6/1/09

This associate degree program provides education and training for individuals interested in developing their knowledge and skills as networking professionals. The program also provides preparatory training for those wishing to take the A+, Network+, Convergence+, HTI+, Security+, CCNA, MCSA plus other wireless, network security and Voice over IP certification examinations.

Prerequisite: Basic understanding of personal computer and operating systems as obtained in ITSC 1401 or BCIS 1405 or COSC 1401 and problem solving and logic structures as obtained in ITSE 1429 or equivalent experience approved by designated Information Technology personnel.

Credit may be given and course substitutions made for those who have acquired A+ and/or Network+ certification.

**SEMESTER I**

		<b>CR. HRS.</b>
Primary Specialization Semester I (two courses - see track list)		
ITSC	1405	8
	Introduction to PC Operating Systems (TP) <b>AND</b>	4
ITSC	1425	4
	Personal Computer Hardware (TP) <b>OR</b>	4
CPMT	1405	(4)
	IT Essentials I: PC Hardware and Software <b>AND</b>	(4)
Elective	Any 4-credit hour course from ARTV, ITCC, ITSC, ITSE, ITSW, ITNW, ITMC, INEW, ITSY, BCIS, COSC, ARTC, IMED, ITMT, EECT, GAME, or CPMT	(4)
ENGL	1301	3
	Composition I	3
	<b>Total Hours:</b>	<b>19</b>

**SEMESTER II**

Primary Specialization Semester II (three courses – see track list)		
MATH	1324	12
	Mathematics for Business and Economics <b>OR</b>	3
MATH	2342	(3)
	Introductory Statistics <b>OR</b>	(3)
MATH	1314	(3)
	College Algebra	3
SPCH	1311	3
	Introduction to Speech Communication <b>OR</b>	(3)
SPCH	1315	(3)
	Fundamentals of Public Speaking	18
	<b>Total Hours:</b>	<b>18</b>

**SEMESTER III**

Primary Specialization Semester III (two courses - see track list)		
Elective	Any 3-credit hour course from ARTV, ITCC, ITSC, ITSE, ITSW, ITSY, ITNW, ITMC, INEW, BCIS, COSC, ARTC, IMED, ITMT, EECT, GAME, or CPMT	7
+Elective	Social/Behavioral Science	3
++Elective	Humanities/Fine Arts	3
	<b>Total Hours:</b>	<b>16</b>

**SEMESTER IV**

Primary Specialization Semester IV (five courses - see track list)		
	<b>Total Hours:</b>	<u>15-18</u>
	<b>GRAND TOTAL:</b>	<u>15-18</u>
		=====
		<b>68-71</b>

+Elective - must be selected from the DCCCD Core Curriculum for Social/Behavioral Sciences.

++Elective - must be selected from any three credit hour course from the DCCCD Core Curriculum for Humanities/Fine Arts.

**PRIMARY SPECIALIZATION**

**CONVERGENCE TECHNOLOGY TRACK:**

**SEMESTER I (Two Courses)**

ITCC	1401	Exploration – Network Fundamentals(TP)	4
ITCC	1404	Cisco Exploration 2 – Routing Protocols and Concepts	4

**SEMESTER II (Three Courses)**

ITCC	2408	Cisco Exploration 3 – LAN Switching and Wireless	4
ITCC	2410	Cisco Exploration 4 – Accessing the WAN	4
EECT	1407	Convergence Technologies	4

**SEMESTER III (Two Courses)**

CPMT	2302	Home Technology Integration <b>OR</b>	3
ITCC	1308	Introduction Voice over Internet Protocol (VoIP) <b>OR</b>	(3)
EECT	2337	Wireless Telephony Systems	(3)
ITMT	1400	Implementing and Supporting Microsoft Windows XP Professional <b>OR</b>	4
ITMT	1470	Windows Vista Client Configuration <b>OR</b>	(4)
ITNW	1408	Implementing and Supporting Client Operating Systems	(4)

**SEMESTER IV (Five Courses)**

ITMT	1440	Managing and Maintaining a Microsoft Windows Server 2003 Environment <b>OR</b>	4
ITMT	1471	Windows Server 2008	(4)
ITMT	1450	Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services <b>OR</b>	4
ITMT	1472	Windows Server 2008 Application Infrastructure	(4)
CPMT	2334	Network Security	3
ITCC	1308	Introduction to Voice over Internet Protocol (VoIP)	3
ITNW	1351	Fundamentals of Wireless LANs	3
ITNW	1492	Special Topics in Computer Systems Networking and Telecommunications*	4
ITNW	2346	Small Office Home Office*	3
ITNW	2350	Enterprise Network*	3
ITCC	2359	Advanced Voice Over Internet Protocol (VoIP)*	3