

ENGINEERING & TECHNOLOGY CERTIFICATES

■ COMPUTER DESKTOP TECHNICIAN (CDTC)

Computers continue to expand in all aspects of our personal activities in business, manufacturing, education and health care. This program provides balanced coverage of technology fundamentals, computer hardware and computer software. Emphasis is placed on operating principles of hardware and software, networking models, operating systems, inter-networking components, industry standards and hands-on laboratory activities for developing practical problem-solving skills. *Students develop the ability to configure and troubleshoot basic PCs. Integrated into the program are courses that prepare the student to sit for both the Comp IIA A+ and the MCDST exams.*

COURSE NO.	COURSE TITLE	CREDITS
☐ COMI 1100	Introduction to Computers	3
☐ ETEK 1000	Introduction to Computer Repair	3
☐ ETEK 1500 P	Introduction to Wireless	3
☐ ETEK 2350 P	Computer Repair II	4
☐ ETEK 2100	Desktop Technician I	3
☐ ETEK 2110	Desktop Technician II	3
Total Certificate Requirements		18

■ NETWORKING TECHNICIAN (NWTC)

Networks continue to expand in all aspects of our personal activities in business, manufacturing, education and health care. This program provides a balanced coverage of technology fundamentals and networking technology. Emphasis is placed on operating principles networking models, operating systems, inter-networking components, industry standards, along with hands-on laboratory activities for developing practical problem-solving skills. *Students develop the ability to configure local area networks (LANs) and inter-networks using routers and switches. Integrated into the program are courses that prepare the student to sit for CISCO CCNA exam.*

COURSE NO.	COURSE TITLE	CREDITS
☐ COMI 1840	Microsoft Windows Server	3
☐ CSCO 1850	Networking Technology	3
☐ CSCO 1860 P	Intermediate Networking	3
☐ CSCO 1870 P	LAN Design and Management	3
☐ CSCO 1880 P	WAN Design and Management	3
☐ CSCO 2050 OR COMI 2020	VoIP OR Network Security Software	3
Total Certificate Requirements		18

■ ADVANCED NETWORKING TECHNICIAN NETWORKS (CNMC)

Networks continue to expand in all aspects of our personal activities in business, manufacturing, education and health care. This program provides a balanced coverage of technology fundamentals and networking technology. Emphasis is placed on operating principles networking models, operating systems, inter-networking components, industry standards, along with hands-on laboratory activities for developing practical problem-solving skills. *Students develop the ability to configure wide-area networks (WANs) and inter-networks using routers and switches. Integrated into the program are courses that prepare the student to sit for CISCO CCNP exam.*

COURSE NO.	COURSE TITLE	CREDITS
☐ CSCO 1990	Network Security: Router Security	3
☐ CSCO 1991	Network Security: PIX Firewall	3
☐ Choose 2: P CSCO 2010 CSCO 2020 CSCO 2030	Advanced Routing Remote Access Multi-Layer Switching	8
☐ CSCO 1870	LAN Design and Management	3
☐ CSCO 1880	WAN Design and Management	3
☐ CSCO 2050 OR COMI 2020	VoIP OR Network Security Software	3
Total Certificate Requirements		14