

ENGINEERING & TECHNOLOGY CERTIFICATES

COMPUTER DESKTOP TECHNICIAN (CDTC)

Knight Campus, Warwick only

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 TIA A+ and the MCDST exams.*

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> COMI 1100	Introduction to Computers	3
<input type="checkbox"/> ETEK 1000	Computer Repair I - A+ Hardware	3
<input type="checkbox"/> ETEK 1500 P	Introduction to Wireless	3
<input type="checkbox"/> ETEK 2350 P	Computer Repair II - A+ Software	3
<input type="checkbox"/> ETEK 2100 P	Desktop Technician I	3
<input type="checkbox"/> ETEK 2110	Desktop Technician II	3
Total Certificate Requirements		18

NETWORKING TECHNICIAN (NWTC)

Knight Campus, Warwick only

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 the CISCO CCENT and CCNA exams.*

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> COMI 1840	Microsoft Windows Server	3
<input type="checkbox"/> CSCO 1850	Networking Technology	3
<input type="checkbox"/> CSCO 1860 P	Intermediate Networking	3
<input type="checkbox"/> CSCO 1870 P	LAN Design and Management	3
<input type="checkbox"/> CSCO 1880 P	WAN Design and Management	3
<input type="checkbox"/> CSCO 2050 OR COMI 2020	Basic VoIP OR Network Security Software	3
Total Certificate Requirements		18

ADVANCED NETWORKING TECHNICIAN (NWAC)

Knight Campus, Warwick only

Students will learn about complex network configurations, diagnostics and troubleshooting techniques. Instructions are more advanced which allows students to gain essential knowledge and skills used to design and implement converged, scalable and secured LANs and WANs. *Integrated into this program are courses that prepare students to sit for the CISCO CCNP exam.*

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> CSCO 1990	Network Security: Router Security	4
<input type="checkbox"/> CSCO 2010	Advanced Routing	5
<input type="checkbox"/> CSCO 2030 P	Multi-Layer Switching	5
<input type="checkbox"/> CSCO 2060	CCNPTShoot - Maintaining and Troubleshooting Cisco IP Networks	5
Total Certificate Requirements		19

P This course has a prerequisite. See Course Descriptions section for class hours, prerequisites and corequisites.