

INFORMATION SYSTEMS TECHNOLOGY:

Network Engineering (Specialist)

Career Studies Certificate

AN, WO

Purpose: This career studies certificate is designed to provide the student with the training necessary to obtain several different CISCO certifications as outlined below. These certifications prepare the student to install and/or configure a network; optimize Wide Area Networks (WANs) through Internet access solutions that reduce bandwidth and lower WAN costs; and provide remote access by integrating remote dial-up access with remote Local Area Network (LAN) to LAN access, as well as supporting higher levels of performance required for new applications such as Internet commerce and multimedia. This career studies certificate also prepares the student to sit for the CISCO Certified Networking Associate (CCNA) and the CCDA (CISCO Certified Design Associate) certification exams.

One Year		Credits
1st Semester		
¹ ENG/CST Elective		3
ITN	120 Wireless – Network Administration	3
ITN	154 Networking Fundamentals - CISCO	4
ITN	155 Introductory Routing – CISCO	<u>4</u>
Total		14
2nd Semester		
ITN	156 Basic Switching and Routing – CISCO	4
ITN	157 WAN Technologies – CISCO	4
ITN	209 Voice Over Internet Protocol	3
ITN	222 Wireless – Network Interoperability	<u>3</u>
Total		14

Total credits for the Career Studies Certificate in Network Engineering (Specialist) = 28

IT courses used for this program may not be more than 10 years old, unless approved by division dean.

¹ ENG/CST elective must be selected from the following: ENG 111, CST 100, 110, 115, 126, 227 or 229.