

The IT courses in following career studies certificate may be used to complete the AAS degree in Information Systems Technology, or the program may be taken on its own.

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/SPD Elective	3
ITN 120 Wireless – Network Administration	3
ITN 154 Networking Fundamentals - CISCO	4
ITN 155 Introductory Routing – CISCO	4
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	3
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/SPD elective must be selected from the following: ENG 111, SPD 100, 110, 115, 126, 227 or 229.