



CISCO / C-Tech

Certificate (45 SCH*)

*Semester Credit Hour

7/2023

First Semester - 12 SCH

COSC 1301 - Introduction to Computing
ITCC 1314 - CCNA 1: Introduction to Networks
ITSC 1305 - Introduction to PC Operating Systems
ITSC 1325 - Personal Computer Hardware

Second Semester - 12 SCH

ITCC 1344 - CCNA 2: Switching, Routing, and Wireless Essentials
IMED 1316 - Web Design I
ITSC 1321 - Intermediate PC Operating Systems
ITNW 1351 - Fundamentals of Wireless LANs

Third Semester - 12 SCH

ITNW 2313 - Networking Hardware
ITSC 2339 - Personal Computer Help Desk Support
ITSW 1304 - Introduction to Spreadsheets
ITCC 2320 - CCNA 3: Enterprise Networking, Security, and Automation

Fourth Semester - 9 SCH

ITNW 2305 - Network Administration
ITSY 1342 - Information Technology Security
ITSW 2334 - Advanced Spreadsheets

Marketable Skills

- Computer skills
- Analyze project data
- Modify software programs to improve performance
- Apply statistical approaches to solve problems
- Assess database performance
- Analyze user needs and software requirements
- Confer on project status, proposals, or technical issues
- Plan installation or modification of systems

Program Outcomes

- Demonstrate techniques to design a secure network
- Ability to evaluate resources and make relevant recommendation for purchase or upgrade of a system.
- Recognize the interaction of stand-alone and network devices, operating systems, and applications.
- Identify tools, diagnostic procedure and troubleshooting techniques for networks and personal computer components.

High School Endorsements

Business and Industry

Expected Salary

Texas wage data: workers on average earn \$108,150; 10% of workers earn \$67,640 or less; 10% of workers earn \$123,910 or more.

Additional Education Opportunities

Students may continue their education through an AAS degree.

Career Opportunities

Help Desk/Technical Support Specialist; Personal Computer Technician; Network Administrator; Information Security Specialist; Network Technician; Network Infrastructure Support; Information Technology Support Specialist.