



CISCO / C-Tech

Certificate (48 SCH*)

*Semester Credit Hour 8/2020

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 1340 - CCNA 2: Routing Protocols and Concepts
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 2312 - CCNA 3: Scaling Networks

Fourth Semester - 12 SCH

ITNW 2305 - Network Administration
ITSY 1342 - Information Technology Security
ITSW 2334 - Advanced Spreadsheets
ITCC 2313 - CCNA 4: Connecting Networks

Marketable Skills

- Computer Skills
- Critical Thinking
- Teamwork
- Communication
- Technical Proficiency
- Problem Solving
- Social Responsibility
- Decision Making

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

Additional Educational 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.