



Computer Network Tech-A+

Certificate (42 SCH*)

*Semester Credit Hour

7/2023

First Semester - 12 SCH

ITNW 1325 - Fundamentals of Networking Technologies
ITSC 1305 - Introduction to PC Operating Systems
ITSC 1325 - Personal Computer Hardware
ITSW 1304 - Introduction to Spreadsheets

Second Semester - 18 SCH

IMED 1316 - Web Design I
ITNW 1351 - Fundamentals of Wireless LANs
ITNW 2305 - Network Administration
ITSC 1321 - Intermediate PC Operating Systems
ITSY 1342 - Information Technology Security
ITSW 2334 - Advanced Spreadsheets

Third Semester - 12 SCH

ITNW 1354 - Implementing and Supporting Servers
ITNW 2313 - Networking Hardware
POFT 1313 - Professional Workforce Preparation*
ITSC 2339 - Personal Computer Help Desk Support

**ITSC 2386 Internship - Computer & Informational Sciences, General may be substituted with approval.*

Marketable Skills

- Provide Technical Support
- Monitor Computer System Performance
- Problem Solving
- Gather Technical Information
- Resolve Computer Software Problems

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 Education Opportunities

Students may continue their education through an AAS degree.

Expected Salary

Texas wage data: workers on average earn \$70,950; 10% of workers earn \$42,080 or less; 10% of workers earn \$123,910 or more.

Career Opportunities

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