

Wireless# Certification

(EECT 1007)

Syllabus

Course: EECT 1007- Wireless# Certification 60 hours
(Formerly ITNW 1005)

Course Description:

The Wireless# (wireless sharp) certification is the entry-level wireless certification for the IT industry. The Wireless# certification will get students started in their IT career by providing a solid base of applicable knowledge of: Wi-Fi, Bluetooth, WiMAX , ZigBee Infrared, RFID and VoWLAN.

Prerequisite:

Network+ or equivalent knowledge

Course Objectives:

Install Wi-Fi, Bluetooth, WiMAX, ZigBee, Infrared, RFID, and VoWLAN
Configure Wireless organizations, standards, and protocols
Evaluate Wireless hardware, software, and installation
Utilize Radio Frequency (RF) technologies
Provide Applications, support, and security

Rationale:

A vendor and product neutral course which will earn the student an established industry credential that validates their network and server expertise. Will serve as a jumping off point for higher level certifications.

Evaluation:

Those who participate in class discussions, ,complete class labs and miss no more than three class meetings will be awarded 6.0 continuing education units. Ultimate evaluation of the student will be their successfully passing the Planet 3 Wireless# examination.

Books Required: (Only available at Rio Grande book store)

Wireless# Mega Guide

Prep Logic

Proposed Schedule

Lesson 1: Exploring Wireless Technology Fundamentals

- Introduction to Wi-Fi Technology
- Examine Radio Frequency Fundamentals
- Describe Radio Frequency Wireless Technologies

Lesson 2: Configuring Wi-Fi Hardware and Security

- Describe Wi-Fi Standards and Product Certifications
- Configure Wireless Network Components
- Implement Wireless LAN Security

Lesson 3: Configuring Clients and Antennas

- Configure Wireless Client Devices
- Install Antennas

Lesson 4: Examining Wireless Technologies

- Configure Bluetooth Devices
- Explain ZigBee Technology
- Describe WiMAX Technology
- Synchronize Infrared Devices
- Explore RFID Technology

Lesson 5: Exploring Applications and Support

- Configure Common WLAN Applications
- Optimize Wireless Networks
- Isolate and Troubleshoot Wireless Network Problems