



Certificate of Course Completion

Fundamentals of Wireless LANS

During the Cisco® Networking Academy course, administered by the undersigned instructor, the student was able to proficiently:

- Design a logical WLAN architecture for mobile wireless users in compliance with 802.11 IEEE standards
- Demonstrate knowledge in WLAN applications as they relate to EM spectrum, radio wave propagation, modulation techniques, and frequency and channel usage in wireless technologies
- Installation of in-building and building-to-building WLANs with Cisco devices that meet mobility and throughput specifications including the site survey and documentation
- Perform hardware setup and software configuration of Cisco Aironet APs and antennas for Ethernet/Radio ports and services
- Perform hardware setup and software configuration of Cisco Aironet equipment for Ethernet/Radio ports and services specific to the WLAN needs for Access Points, Bridges,, repeaters, and Site Survey Client functionality
- Upgrade and distribute firmware on Cisco wireless products throughout a WLAN
- Identify, define features of, and install, directional and omni directional antennas in both building-to-building and in-building WLANS
- Design and setup of WLAN security suing WEP, Cisco LEAP, and 802.1x protocols
- Troubleshoot WLAN performance issues using event loggings, command line utilities and diagnostic tools

Toren Deramus

Student

Gadsden State Community College

Academy Name

Gadsden

Location

Cornutt, Frank

Instructor

January 2, 2011

Date

Instructor Signature