



WiMAX Network Designer Certification Boot Camp

WiMAX Professional Certification proves that you have the skills to design, install, or operate WiMAX networks. Move your career ahead by distinguishing yourself in the wireless industry with a WiMAX professional certification.

Boot Camp Day 1:

A Modular course titled "Overview of RF Design Principles"

This one-day modular course is targeted at students who will be completing the WiMAX Network Designer certification program, and who require a refresher course on RF design. The course provides deep background and hands-on experience with the RF propagation models that are used in all RF planning tools, like those used for WiMAX network design. You'll learn the differences between various propagation models, and where each model should be applied in your RF design process. You'll learn how to model foliage, terrain, buildings, and other obstructions in a network design.

Boot Camp Days 2 and 3:

A Modular course titled "RF Design for WiMAX Networks"

This two-day course is targeted at students who are planning a WiMAX network, and who need the skills to design a network, balancing the requirements of service quality (including coverage and performance) with minimum capital and operations cost. The course teaches all Radio-Frequency (RF) design steps that an RF engineer would consider for a WiMAX deployment. Each RF design task is illustrated with practical examples, hands-on exercises and application of a software RF-design tool.



Course Description:

This course is a four-day Boot Camp event, which covers all of the necessary topics to prepare a technical student to take the WiMAX Network Designer certification exam. The four-day event is comprised of three modular courses: Overview of RF Design Principles, RF Design for WiMAX Networks, and Designing WiMAX Core Networks.

This course is targeted at students who are planning a WiMAX deployment, and who need the skills to design a network, balancing the requirements of service quality (including throughput and performance) with minimum capital and operations cost.

Course length: 4 Days

Boot Camp Day 4:

A Modular course titled "Designing WiMAX Core Networks"

In this course, students learn a formal approach to the design of the Internet Protocol Core of a WiMAX network. The Core is the portion of the network between the WiMAX Base Station and the interfaces to the larger Data and Voice network infrastructures. In this portion of the network, the WiMAX subscriber's traffic is transported by routers and switches through copper and fiber transmission facilities. Proper design of the IP network and proper engineering of these facilities ensures high service quality for the end-user, and ease of operation for the WiMAX provider.

Boot Camp practical experience and certification testing

The boot camp is structured as 50% tutorial content, and 50% hands-on exercises, illustrated with case studies. Through a special arrangement with EDX Wireless, a demonstration copy of the EDX SignalPro software tool, including the Network design Module, is provided to each student, and used for in-class exercises. You'll have the experience of designing the RF network for a sample WiMAX-served community. Four spreadsheet tools are provided to enhance hands-on experience. Bring your laptop or SpectroTech can provide one for you.

At the end of the four-day boot camp, students will have the opportunity to complete the proctored WiMAX Network Designer certification exam. Students who pass the exam will be sent their certificates after the class.

Endorsed by:

Spectro-Technologies Pty Ltd, Level 6, 104 Bathurst Street, Sydney NSW 2000
Phone: +61 (2) 8205 7667 Fax: +61 (2) 9283 5442
Website: www.spectrotech.com.au Email: training@spectrotech.com.au

Wireless LAN
WLANEA
Education Alliance