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## 8-day course

Gain the competitive edge—enter the world of wireless networking.

This 8-day course (BICSI WDI10) provides an in-depth understanding of wireless networking for information transport within a floor, building, or campus perimeter.

While cellular wireless technologies are covered, emphasis is given to the coexistence of wireless and wired premises networks, using wireless local area networking technologies to extend the range and flexibility of existing wired infrastructures.

Using current tools, hardware and methods, students will be able to design a wireless network infrastructure for a multi-building campus

#### Industry orientation

##### Introduction & Overview

- Fundamentals
- Standards, codes & regulations
- Point to point & point to multi-point systems

##### Wireless Components

- Antennas
- Towers
- Power
- Equipment shelters

##### General Wireless Considerations

- Pre-design & survey analysis
- Selection of Technology
- Survey selection
- Documentation

##### Cellular & Paging

- Cellular Technologies
- Paging & messaging systems
- System design & installation

##### Distributed Antenna Systems (DASs)

- Components
- Topologies
- Design considerations
- Site surveys

##### Personal Area Networks

- Infra-Red
- Bluetooth®

##### Wireless Local Area Networks

- Fundamentals
- Multi-building campus design case

70% Theory 30% Practical



#### Course duration

8 days (split into 5-days classroom study, 6-8-weeks self-study, 2-day classroom revision, 1-day exam)

#### Qualification

BICSI RCDD/Wireless Design Specialist  
BICSI CECs: 12 ITS, 50 RCDD, 50 NTS,  
50 OSP, 50 WD  
CNet Certificate

#### Who should attend

ITS Professionals that need an in-depth knowledge of WLAN training, LAN and Internetwork designers, Network installers and technicians and those that would like to widen their opportunities within wireless technologies, plus those that would like to gain the BICSI Wireless qualification

#### Related Training

LAN Design & Implementation  
BICSI RCDD

#### Course objectives

To prepared delegates to design, specify, install and select wireless networks, network products and services

#### Prerequisites

For the training - knowledge of basic PC commands such as telnet, HyperTerminal and ping. To gain the BICSI qualification - current BICSI RCDD designation is required plus membership of BICSI and 2 years of documentable wireless design experience

#### Course Location

Bury St Edmunds  
Suffolk