



iBwave CERTIFICATION COURSE SYLLABUS

iBwave Wi-Fi® Mobile

Note: Course syllabus is subject to change

LEARNING OBJECTIVES

At the end of this certification program, you will be able to:

- ✓ Start a project on a mobile device
- ✓ Geo-locate the building
- ✓ Add text, pictures, video and audio notes directly onto your building floor plans
- ✓ Draw design markups of the floor
- ✓ Collect Wi-Fi survey data and view interpolation maps on floor plans
- ✓ Design Wi-Fi networks using iBwave's central database of components
- ✓ Run prediction maps for access points to evaluate coverage and throughput on the go

INTRODUCTION

- ✓ What is iBwave Wi-Fi® Mobile?
- ✓ About Wi-Fi Development
- ✓ Wi-Fi Design Overview

REVIEWING THE APP

- ✓ Logging into the iBwave Wi-Fi® Mobile application
- ✓ Exploring the iBwave Wi-Fi® Mobile workplace and menus

STARTING A PROJECT (BASICS)

- ✓ Creating a Project
 - Defining the Project Information and Properties
- ✓ Creating Floors
 - Floor Properties
 - Floor Layers
 - Scale Floor Plans
 - Adding Buildings
 - Set Reference Point
- ✓ Creating Prediction Areas
- ✓ Creating RF Environment
- ✓ Creating Capacity Zones & Floor Requirements
 - Default Usage Profiles
 - Creating Capacity Zones Floors

COLLECTING MEASUREMENTS (SURVEY)

- ✓ Performing a Survey
 - Supported Measurements
 - Walk-Through Wi-Fi Survey Route
 - Passive Survey Collection
 - Active Survey Collection
- ✓ Reviewing a Survey & Interpolation
- ✓ Adding Annotations & Markups
 - Adding Pushpin Annotations
 - Adding Markups to Photo Annotations
 - Adding Markups to Floor Plan
- ✓ Modeling the Building
 - Creating Wall and Corridor Designs
- ✓ Adding Cable Routes

BUILDING A NETWORK (DESIGN)

- ✓ Using Automation Features
 - Automatic AP Placement
 - Applying Channel Assignment
- ✓ Adding & Moving Components
 - AP Components
 - Network Components & Miscellaneous Parts
 - Custom Fields on Components
- ✓ Generating Propagation Maps
 - Types of Propagation Output Maps
 - Run Output Maps based on Environment Types
- ✓ Connecting the Network

FINALIZED DESIGN

- ✓ Generating a Project Summary
- ✓ Saving & Sharing Projects
- ✓ Reviewing in iBwave Design/Wi-Fi PC

KNOWLEDGE CHECKS & YOUR TURN TO TRY

Throughout the course, test your knowledge through:

- ✓ Short multiple-choice quizzes
- ✓ Simulated exercises for various scenarios and procedures

FINAL EXAM

- ✓ (90 minutes)