# Hamina Certified Network Architect

**Instructor:** Peter Mackenzie or Eddie Forero
**Language:** All classes are English speaking unless specified otherwise
**Time Zone**: Be sure to check the time zone of your chosen course—session times vary between APAC, EMEA, and US offerings.
**Format:** Live Online via Zoom
**Duration:** Four days
**Price:** $1700 per student

## Course Description

The Hamina Certified Network Architect class is a four-day course suitable for everyone from wireless beginners to seasoned pros. Starting with Wi-Fi and RF basics, you'll learn to design multi-floor networks that meet real requirements using Hamina tools.

## Course Requirements

All students will need a laptop or PC – (Windows, macOS, Linux, anything that can run a modern browser should work). A mouse as Hamina is much easier to use with a mouse. Students should have a headset with a reliable microphone and are encouraged to keep their webcam on during the course.

If you don't currently have a Hamina Network Planner Plus subscription, attendees will be receiving a trial license for the class. If you don't already have a Hamina account, it is recommended to sign up for a free Hamina account in advance.  Sign up here: https://app.hamina.com/sign-up-choose-instance

## Learning Objectives

Delivered by our instructors who know how to explain complex stuff in a way that actually makes sense, you will leave with a repeatable design methodology and the confidence to design Wi-Fi for any environment.

## Course Structure

**Day 1**            **09:00-1700hrs**
Module 1:            Course Introduction
Module 2:            WLAN Life Cycle
Module 3:            WLAN Basics
Module 4:            Frequency Bands
Module 5:            RF Basics
Module 6:            Modulation
Module 7:            WLAN Association
Module 8:            Network Connection
Module 9:            Define

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| Exercise: | Requirements |
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| **Day 2:** | **09:00-17:00hrs** |
| Module 10: | Hamina Network Planner |
| Demo: | Hamina Network Planner Lite |
| Demo: | UI Walk Through |
| Module 11: | Design |
| Lab 1: | Getting Started with Hamina |
| Demo: | Wall drawing |
| Lab 2: | Drawing Walls |
| Lab 3: | Automatic Wall Drawing |
| Demo: | Wireless Design |
| Lab 4: | Wireless Design |
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| **Day 3:** | **09:00-17:00hrs** |
| Module 12: | Capacity |
| Demo: | Capacity |
| Lab 5: | Capacity |
| Demo: | Client view |
| Lab 5: | Client View |
| Lab 6: | Wired Network Planning |
| Lab 7: | Multi-Floor |
| Module: 13 | Antennas |
| Demo: | Warehouse |
| Lab 8: | Warehouse |
| | |
| **Day 4:** | **09:00-17:00hrs** |
| Module 14: | Arenas and Stadiums |
| Lab 9: | Arena Design |
| Lab 10: | Bill of Materials |
| Lab 11: | Reporting |
| Lab 12 (Optional): | Outdoor Private Cellular |
| Exam | 3 hour allocation |

Breaks: 10-15 minutes break mid-morning, 60 minutes for lunch and 10-15 minutes mid-afternoon

## Certification & Completion Criteria

An industry recognised HCNA certification will be provided on successful completion. Students must meet the following requirements to pass:

- Full attendance
- Completion of the practical in-class exam within the allocated time and final project submission

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## Hamina Pathway

We also encourage you to continue your learning journey by enrolling in the next course in the series.

**Hamina Survey Specialist**
Learn all of the tips and tricks to site surveying with Hamina Onsite, so you can get the job done faster and more efficiently.

https://www.mqts.co.uk/hamina-training