

# Ekahau Certified Survey Engineer - ECSE



## Wi-Fi Expert Training and Certification

The Ekahau Certified Survey Engineer (ECSE) course provides instructor-led classroom lectures and intensive hands-on labs on all aspects of Wi-Fi life cycle management. This includes:

- Wireless LAN and radio frequency (RF) fundamentals
- Predictive designs
- Pre- and post-deployment site surveys
- Troubleshooting of Wi-Fi issues
- Spectrum (interference) analysis
- Reporting

After the course, students will take the ECSE certification exam.

## Audience

This course and certification are designed for Wi-Fi systems engineers, IT administrators, and others working with Wi-Fi, who require an in-depth knowledge on how to deploy and maintain Wi-Fi networks using Ekahau Wi-Fi tools.

## Content

- Wireless LAN and RF fundamentals
- The life cycle of a Wi-Fi network
- How to design and deploy robust Wi-Fi networks
- Product installation & activation, basics
- Pre- and post deployment Wi-Fi site surveys
- Troubleshooting Wi-Fi issues
- Spectrum Analysis
- Reporting
- ECSE Certification Exam

## Prerequisites

Students are expected to have the following skills & knowledge before attending this course:

- Basics of networking
- Strong general computer skills
- CWNA recommended (Not required)
- Windows laptop with Admin rights for installing software
  - Macbook with Boot Camp is OK as well
  - Some exercises will work better with a mouse
- Sense of humor is recommended but not mandatory.

## Course Objectives

At the end of this course the student will hold expert knowledge in designing, deploying and troubleshooting Wi-Fi networks, using Ekahau Wi-Fi tools. The knowledge applies to all Wi-Fi network brands. A certification exam will be held at the end of the course.

# Our Trainers

**Keith R. Parsons**, Managing Director, WLAN Pros, CWNE #3

Keith has been teaching and designing Wi-Fi networks for a decade, with deployments from above the arctic circle to Antarctica. Over 3,000 engineers have learned how to apply RF principles and design methodologies to improve their WLANs, from Keith.

**Devin K. Akin**, CEO, Divergent Dynamics, CWNE #1

Devin is a living legend in the Wi-Fi industry. He was a founding partner of the CWNP organization and wrote the first iteration of their courseware. He evangelized Aerohive to IPO. Devin is a born teacher / storyteller, and truly one of the industry's top Wi-Fi experts.

**Blake Krone**, Mobility Consultant, CWNE #152

Blake is an industry expert helping organizations and individuals become proficient with the hardware and software tools needed to be Mobility Architects. He has been using Ekahau since the early 2.2 days and continually provides feedback helping to shape the Ekahau Site Survey tools.

**Ferney Muñoz Vergar**, Canyons School District, CWNE #187

Ferney has been working with technology for 27 years, 17 of them in networking and 10 years dealing with wireless networks. Ferney is currently employed by Canyons School District and Wireless LAN Professionals, and uses Ekahau to design, troubleshoot and maintain 1,450 Ruckus Wireless network at the school district.

**René Kriedemann**, 2NDWAVE WLAN consulting

René has been using Ekahau tools from the very beginning. During the last 15 years, René has been planning and analyzing millions of square meters of wireless infrastructures. René incorporates his vast practical experience into the ECSE courses through examples and hands-on exercises. René teaches in German language.

## Information & Registration

For schedules, locations and additional information, visit [ekahau.com/training](http://ekahau.com/training)



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13 BICSI CECs

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