

# CERTIFIED WIRELESS ANALYSIS PROFESSIONAL (CWAP)

Course Code: 100368

Gain knowledge in being able to analyze and troubleshoot today's wireless LAN's.

For those who are skilled at analyzing and troubleshooting today's wireless LANs, the Certified Wireless Analysis Professional (CWAP) certification offers an opportunity to leap forward in your career.

Do you have a mastery of operation and frame exchanges? Can you perform protocol and spectrum analyses? Are MAC layer frame formats right in your wheelhouse?

Measure your skills and knowledge with this professional-level certification and get on track toward ultimately earning your [Certified Wireless Network Expert \(CWNE\) certification](#). Those that pass the CWAP exam earn credit towards a CWNE certification.

As an added bonus, you will receive a free exam voucher, study guide, and practice test to test your knowledge before taking the exam.

## What You'll Learn

- Understanding the 802.11 Physical (PHY) Layer Frame Formats and Technologies
- Understanding the 802.11 MAC Layer Frame Formats and Technologies
- Understanding of 802.11 Operation and Frame Exchanges
- Understanding Advanced Features of Spectrum Analysis
- Understand Data Collection Methods
- Become Proficient at Protocol Analysis and Troubleshooting

## Who Needs to Attend

Those interested in obtaining the CWNP credential.

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CLASSROOM LIVE

\$4,253 CAD

4 Day

## Classroom Live Outline

### **Module 1 – Troubleshooting Processes**

- Troubleshooting Methodologies
- CWNP Methodology
- Troubleshooting Tools

### **Module 2 – Communications**

- Terminology Review
- Beacon Frames
- Authentication
- Channel Access
- WLAN Architectures

### **Module 3 – 802.11 Frames**

- Framing Review
- 802.11 General Frame Format
- 802.11 Frame Types
- Important 802.11 Frames
- Security Communications
- 802.11 PHY

### **Module 4 – WLAN Hardware**

- Client Devices
- Access Points
- WLAN Controllers and Managers
- Wireless Analysis Hardware
- Wired Hardware

### **Module 5 – Protocol Analysis**

- WLAN Protocol Analysis Hardware and Software
- Protocol Analyzer Common Features
- Working with Protocol Analyzers

#### **Module 6 – Spectrum Analysis**

- Spectrum Analysis Hardware
- Terminology
- Spectrum Analyzer Features
- Installing and Configuring
- Performing Spectrum Analysis

#### **Module 7 – Wired Issues**

- Common Problems
- Troubleshooting Tools
- Troubleshooting Specific Issues

#### **Module 8 – Common WLAN Issues**

- Common Issues
- Security Issues
- Client Issues
- Modern Issues

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VIRTUAL CLASSROOM LIVE

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PRIVATE GROUP TRAINING

4 Day

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