



Certified *Wireless* Network Professional

# Authorized Learning Partner



Wi-Fi Certification Presentation





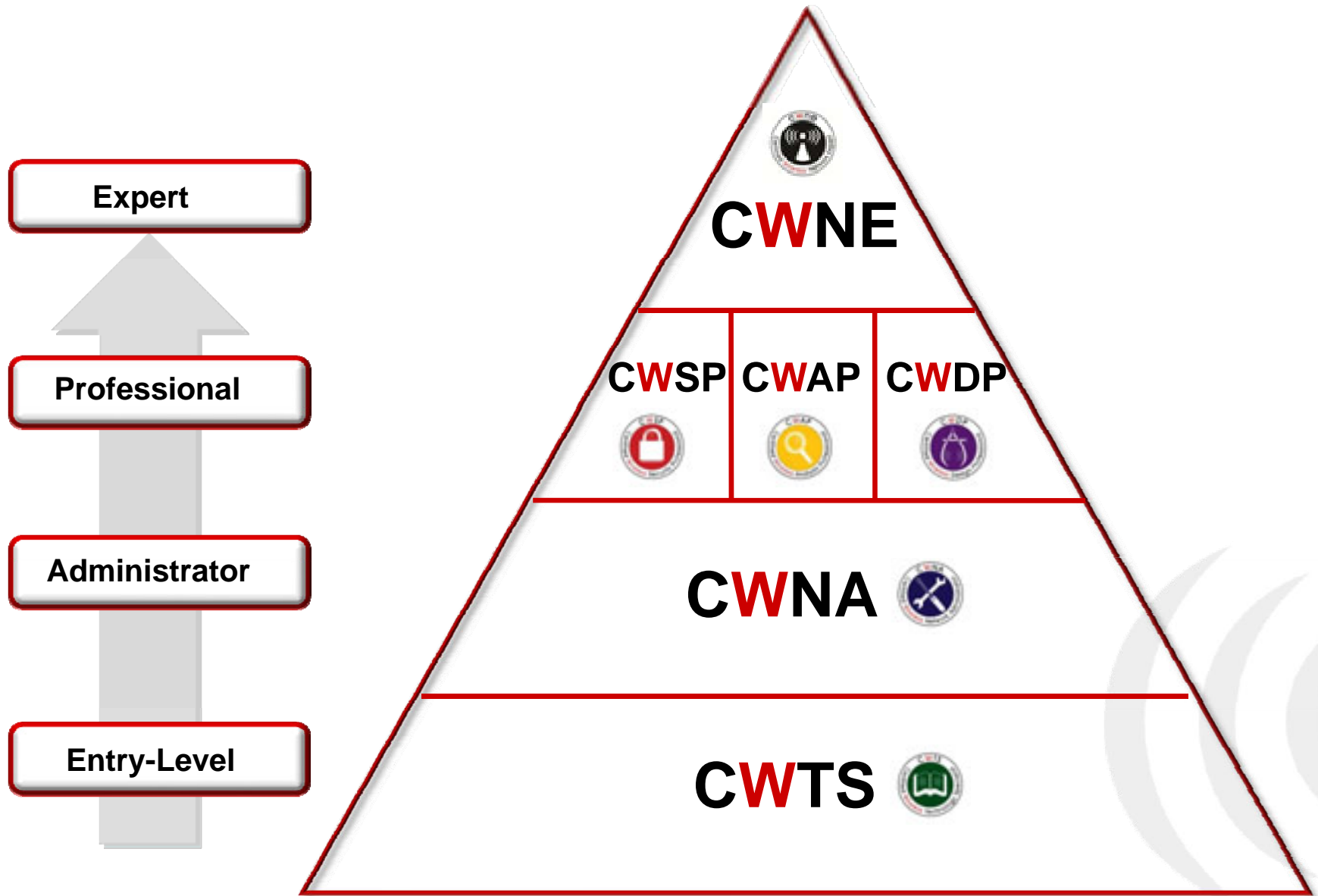
# Who is CWNP?



**CWNP is the IT industry standard for enterprise Wi-Fi certification and training since 2001.**

- ✓ Certifications from entry-level to expert
- ✓ Wi-Fi professionals certified in 140+ countries
- ✓ Partnered with many Wi-Fi vendors and VARs
- ✓ Customers in all major industries and Gov't agencies

[www.cwnp.com](http://www.cwnp.com)





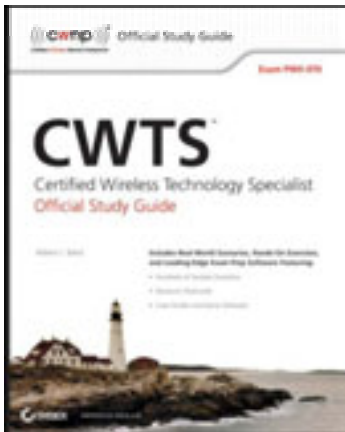
# All about **CWNP** Classes



## CWNP offers 4 Certification Training Classes:

- ✓ **CWTS** – Technology Specialist
- ✓ **CWNA** – Network Administrator
- ✓ **CWSP** – Security Professional
- ✓ **CWAP** – Analysis Professional
- **CWDP** – Design Professional (Coming Q2 - 2012)
- ✓ **CWNE** – Wireless Network Expert (N/A)

[www.cwnp.com](http://www.cwnp.com)



## Entry Level

- Same level of difficulty as CompTIA A+
- What Wi-Fi is, not how Wi-Fi works
- All about the terminology

## Format

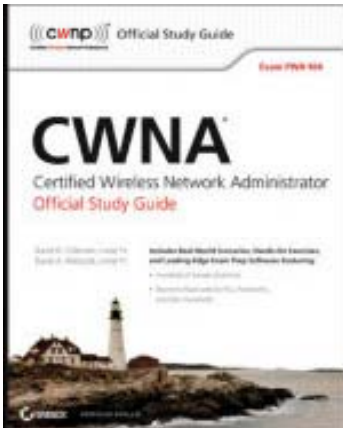
- 2-days of Training – Classroom or Online
- Lecture Only
- Class includes exam voucher

## Target Audience

- **Sales Professionals, Project Managers, Newbies → Engineers**
- **A+ clients, Telecoms, Government**



# CWNA: Wi-Fi Administration



## Admin Level

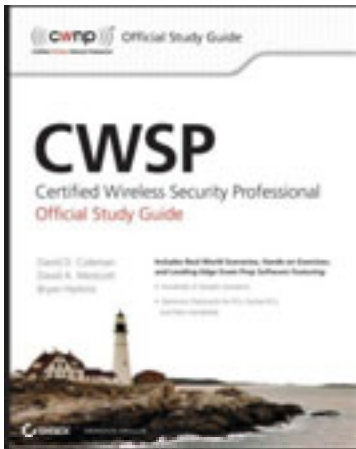
- Cisco CCNA level of difficulty
- VERY BROAD, foundational RF
- Net+ or CCNA *knowledge* required

## Format

- 5 days of training, 30% labs
- 802.11n covered thoroughly
- Pre-req. to all "P" level CWNP classes

## Target Audience

- **Network Administrators, Net+, CCNA; All net engineers need Wi-Fi**
- **Healthcare, Education, Military, Warehousing, Retail**



## Wi-Fi Security

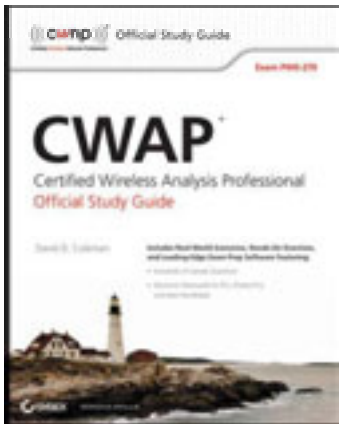
- Requires CWNA-level knowledge
- RF security isn't harder, just different
- Wi-Fi Security always a hot topic

## Format

- 4 days of training, 50-60% labs
- Deep into how Wi-Fi Security works
- Most don't know what they don't know

## Target Audience

- **Anyone CCNA and higher**
- **CWSP class = 35 CISSP CPEs**
- **Gov't, CISSP, Retail (PCI compliance), Healthcare (HIPAA), Financial Providers**



## Analysis Level

- Requires CWNA-level knowledge
- Sniffers, Packet Analyzers
- AirMagnet, WireShark, WildPackets

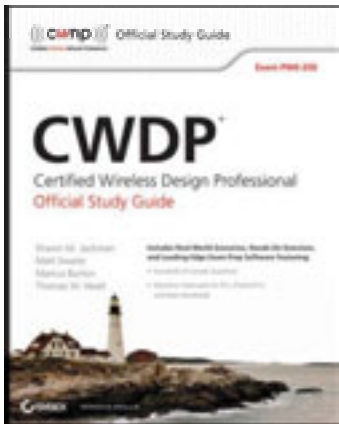
## WHY?

- Many Wi-Fi networks installed poorly
- New apps, devices → poor performance or failure
- Knowing how the Wi-Fi is *supposed* to work helps security and design.

## Format

- 5 days of training, Labs dominate class time
- Spectrum Analysis + Packet Analysis
- Deep into the 802.11 standard, protocol





## Design Level

- Requires CWNA-level knowledge
- Advanced Site Surveying
- Many different RF environments

## WHY?

- Different applications require different design
- VoWi-Fi, Video, RFID
- Outdoor vs. Indoor
- High capacity (stadium) vs. Healthcare

## Format

- 5 days of training, Labs dominate class time
- Design of applications
- Design for vertical markets
- Advanced Site Surveying



## Advanced Level

- Final step to becoming a WLAN expert; proving you have the most advanced skills available in today's wireless LAN market.

## WHY?

- Protocol Analysis
- Intrusion Detection/ Prevention
- Spectrum Analysis & Management
- QoS Analysis & Advanced Design

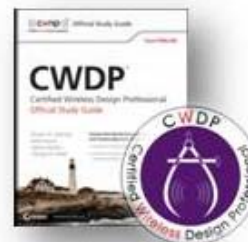
## Format

- Application,
- References,
- Experience,
- Annual Continuing Education



# The five step path to achieving the CWNE certification

Expert



Design



Secure



Troubleshoot

Earn all 3 Professional Level Certifications to earn CWNE

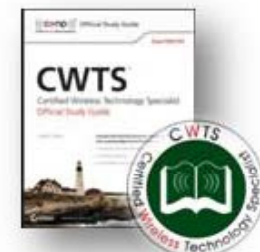


Comprehend

Network engineers and administrators, begin with CWNA to gain the foundational RF knowledge required to implement and manage enterprise Wi-Fi. CWNA is required for CWSP, CWAP, CWDP, and CWNE.

Begin

Newbies, non-techies, project managers, and technical sales professionals, start your wireless career with CWTS.





# Careers for CWNPs



- What are the jobs/titles for CWNP Certified Professionals?
  - ✓ Wireless Network Installer
  - ✓ Network Administrator
  - ✓ Network Security Administrator
  - ✓ Site Surveyor
  - ✓ Network Designer
  - ✓ Sales Engineer
  - ✓ Network Analyst
  - ✓ Technical Support





# Why CWNP?



**Vendor Neutral** – Technology-focused training, devoid of vendor ideology and interests, prepares IT staff to work intelligently with any vendor's products.



**Industry Standard** – Certifications and training from novice to expert that are globally respected



**Increasing Wi-Fi Complexity** – New complex technologies and applications *require* technical training. Enterprise Wi-Fi is *not* plug-n-play.



**CWNP** is the IT industry standard for vendor neutral enterprise Wi-Fi certification & training.

