Cel szkolenia:

The **CWDP Wireless LAN Design** course consists of instructor-led training applicable to the design of wireless LANs using the latest technologies including 802.11n and 802.11ac. The course goes in-depth into the design process and provides attendees with the knowledge needed to plan, deploy and test modern 802.11-based networks. It also prepares students for the CWDP examination.

Students who complete the course will acquire the necessary skills for preparing, planning performing and documenting site surveys and wireless LAN design procedures.

Plan szkolenia:

- WLAN Design Overview
  - Importance of good design
  - Impact of bad design
  - Design process
  - Design skills
  - Design toolkit
  - Pre-planning
  - Customer interaction
  - Requirements gathering
  - Discovering existing systems

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**Szkolenie: CWNP**

**CWDP Enterprise Wi-Fi Network Design**

<table>
<thead>
<tr>
<th>FORMA SZKOLENIA</th>
<th>MATERIAŁY SZKOLENIOWE</th>
<th>CENA</th>
<th>CZAS TRWANIA</th>
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<tbody>
<tr>
<td>Stacjonarne</td>
<td>Tradycyjne</td>
<td>4300 PLN NETTO*</td>
<td>4 dni</td>
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* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

**DOSTĘPNE TERMINY**

2019-09-30 | 4 dni  | Warszawa
2019-09-30 | 4 dni  | Warszawa

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Alior Bank Spółka Akcyjna
Oddział w Krakowie
Nr konta: 19 2490 0005 0000 4530 5733 7313
Documenting the environment
Defining constraints
Creating documentation
Client device types
Application types
Application-specific design
High density design issues
Standard corporate networks
Industry-specific designs
  Government
  Healthcare
  Hospitality
  Education
  Retail
  Public hotspots
  Transportation
  Mobile offices
  Outdoor and mesh
  Remote networks and branch offices
  Last-mile/ISP and bridging
  Defining vendor issues
  Operational planes
  Design models
  Understanding architecture differences
  RF spectrum
  RF behaviors
  Modulation and coding schemes
  RF accessories
  Throughput factors
  Antennas
  802.11n and antennas
  Choosing APs
  Powering APs
  Site survey tools
  Site survey preparation
  Predictive site surveys
○ Manual site surveys
○ Site survey principles and processes
○ Quality of Service (QoS) overview
○ QoS application points
○ Roaming support
○ Bad security
○ Authentication solutions
○ Encryption solutions
○ Security best practices
○ Intrusion prevention
○ Network health status
○ Troubleshooting and validation process
○ Troubleshooting and validation tools
○ Common problems

○ Requirements Analysis
○ Designing for Clients and Applications
○ Designing for Industry
○ Vendor Selection Processes
○ Radio Frequency Planning
○ WLAN Hardware Selection
○ Site Surveys
○ Designing for QoS
○ Designing for Security
○ Installation Testing, Validation and Troubleshooting
○ Design Troubleshooting

Case studies may be used in groups to explore concepts learned in the lecture materials. Potential case studies include:

○ Designing for future capacity
○ Designing in a moderate interference environment
○ Designing multiple SSID networks

Trainers may include hands-on lab time using any or all of the following tools:

○ Spectrum analyzer
○ Protocol analyzer
○ Site survey software
Diagramming software
- Various wireless adapters and antennas
- Various wireless APs

Wymagania:

Required **CWNA**-level knowledge (enterprise Wi-Fi).

Suggested **CWSP** and **CWAP**-level knowledge.

Poziom trudności

Certyfikaty:

This course helps prepare for CWDP exam CWDP-302 available at **Pearson VUE test centers** ([www.vue.com/cwnp](http://www.vue.com/cwnp)).

The **CWDP® (Certified Wireless Design Professional) certification** will advance your career by ensuring you have the skills to successfully design enterprise Wi-Fi networks for a variety of different applications, deployments, and environments, no matter which brand of Wi-Fi gear your organization deploys.

Prowadzący:

Authorized CWNP Trainer.