

Palo Alto Networks Certified Cybersecurity Entry-level Technician (PCCET)

This Palo Alto Networks Certified Cybersecurity Entry-level Technician (PCCET) training will prepare you for the PCCET certification exam. The PCCET is comprehensive and thorough, but it's also intended for people new to studying cybersecurity. No matter the reason why, if you need to understand how devices, networks, and clouds are kept digitally secure, this training is a good first step.

[CBT Nuggets course material](#) →

WEEK 1

Network Security Fundamentals

155 min.

Intro to Network Security Fundamentals	1
Types of Firewalls	10
IDS and IPS	6
VPNs	8
Data Loss Prevention	5
Unified Threat Management	6
Endpoint Security	6
Identity, Access, and Configuration Mgmt	10

Network Model Fundamentals

Overview	1
Intro to Network Models	1
OSI Reference Model	10
The TCP/IP Stack	16
Application Layer Services	8
Transport Layer Protocols	6
Network (L3) Layer Protocols	4
Layer 2 Data Link	5
Physical Layer (L1)	7
Encapsulation and Decapsulation	4

IP Addressing

Overview	1
Intro to IP Addressing	1
IPv4 and IPv6 Overview	7
Binary, Decimal, and Hex	7
IPv4	9

IPv6	7
DHCP	7

WEEK 2

153 min.

ARP	5
Subnetting Overview	9
Subnetting Example	6

Palo Alto Networking Fundamentals

Overview	1
Intro to Palo Alto Networking Fundamentals	1
Network Devices	9
Routed vs Routing Protocols	14
Routing Protocol Example	10
Network Types and Topologies	13
Domain Name System	7
Internet of Things IoT	6

Palo Alto Next-gen Firewall Features

Overview	1
Intro to Next-gen Firewall Features	1
Next-gen Firewall Overview	12
SSL Decryption	7
User Awareness	9
Application Awareness	9
URL Filtering	6
Threat Prevention	7
WildFire	6

The Cyberattack Lifecycle

Overview	1
Intro to the Cyberattack Lifecycle	1
Cyberattack Examples	5
Attacker Profile and Motivations	4

WEEK 3

158 min.

Overview of the Cyberattack Lifecycle	14
Advanced Persistent Threats	3
Preventing a Successful Attack	16
Preventing Port Scanning	7

Vulnerabilities, Exploits, and Risk

Overview	1
Intro to Vulnerabilities, Exploits, and Risk	1
Overview of Vulnerabilities, Exploits, and Risk	11
Social Engineering	7
Circumventing Port-Based Firewalls	13
Types of Malware	7
Spamming and Phishing	5
DoS, DDoS, and Botnets	9
Wi-Fi Attacks	9

Cloud Computing and Security

Overview	1
Intro to Cloud Computing and Security	1
Cloud Computing and Security Overview	9
SaaS Application Risks	17
Cybersecurity Laws and Regulations	5

User Identification	10
App Identification	10

WEEK 4

Strategies for Securing Networks

137 min.

Overview	1
Intro to Strategies for Securing Networks	1
Overview of Strategies for Securing Networks	14
Perimeter-based Network Security	9
Zero Trust and Least Privilege	14
Secure Platform Features	10
Palo Alto Networks Offerings	15

Palo Alto SecOps and DevSecOps

Overview	1
Intro to SecOps and DevSecOps	1
Dev, Ops, and Security Overview	8
SecOps Building Blocks	9
Cloud Security Challenges	21
VMs and Containers	12
Serverless Computing	5
Outsourcing Security	13