

Network Defense Essentials.

Einführung in das Thema Netzwerksicherheit und Netzwerkverteidigung.

 Seminar	 1 Termin verfügbar	 Teilnahmebescheinigung
 Präsenz / Virtual Classroom	 16 Unterrichtseinheiten	 Online durchführbar

Seminarnummer: 31773

Stand: 21.11.2025. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/31773>

Network Defense Essentials covers the fundamental concepts of information security and network defense. This introductory cybersecurity course is designed for today's entry-level information security or cybersecurity career professionals and is ideal for learners aspiring to pursue a career in cybersecurity.

Nutzen

- Key issues plaguing the network security
- Essential network security protocols
- Identification, authentication, and authorization concepts Network security controls - Administrative controls (Frameworks, laws, acts, and security policies) - Physical controls (Physical security controls, workplace security, and environmental controls) - Technical controls (Network segmentation, firewall, IDS/IPS, honeypot, proxy server, VPN, SIEM, UBA and anti-malware)
- Fundamentals of virtualization, cloud computing, and cloud security
- Wireless network fundamentals, wireless encryption, and security measures
- Fundamentals of mobile and IoT devices and their security measures
- Cryptography and PKI Concepts
- Data security, data encryption, and data backup and data loss prevention techniques
- Network traffic monitoring for suspicious traffic

Zielgruppe

- School students, graduates, professionals, career starters and changers, IT / Technology / Cybersecurity teams with little or no work experience.
- High-school students who aspire to get an early start on their cybersecurity career and master the fundamentals of security online.

- College or University students who are preparing for a cybersecurity career and aiding their IT education.
- Working professionals who are preparing to start with cybersecurity or switch to the field from another domain

Voraussetzungen

Die Kursunterlagen stehen ausschließlich in englischer Sprache zur Verfügung. Daher empfehlen wir solide Englischkenntnisse aus dem IT-Umfeld.

Inhalte des Seminars

Module 01: Network Security Fundamentals

Module 02: Identification, Authentication and Authorization

Module 03: Network Security Controls - Administrative Controls

Module 04: Network Security Controls - Physical Controls

Module 05: Network Security Controls - technical Controls

Module 06: Virtualization and Cloud Computing

Module 07: Wireless Network Security

Module 08: Mobile Device Security

Module 09: IoT Device Security

Module 10: Cryptography and PKI

Module 11: Data Security

Module 12: Network Traffic Monitoring

Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/31773> und profitieren Sie von diesen Vorteilen:

- Schneller Buchungsvorgang

- Persönliches Kundenkonto
- Gleichzeitige Buchung für mehrere Teilnehmer:innen

Alternativ können Sie das Bestellformular verwenden, um via Fax oder E-Mail zu bestellen.