

Network Security

Network CCNP + CCIE (SEC)

COURSE OUTLINE



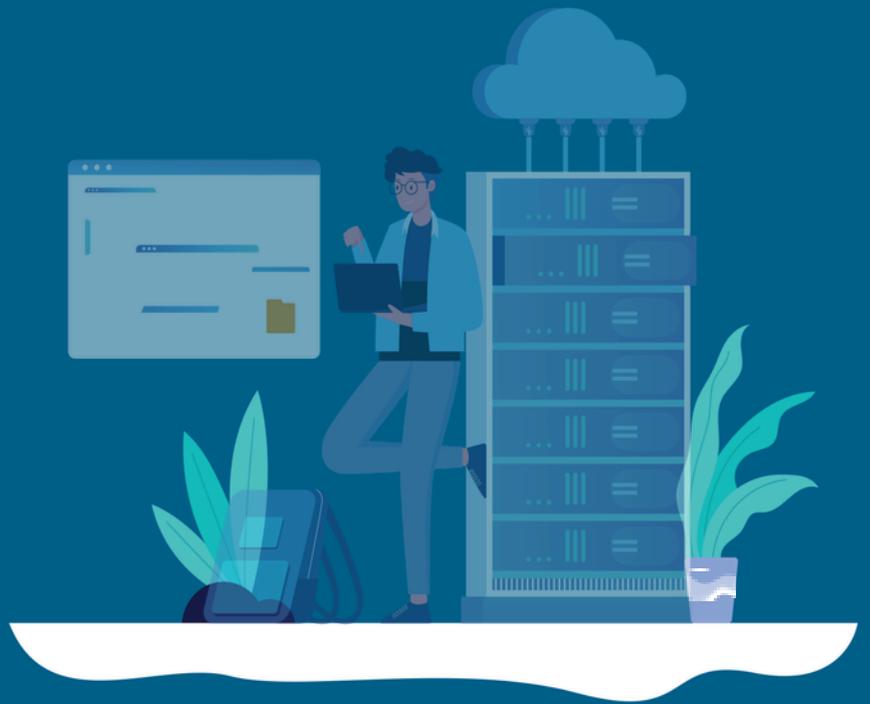
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NS3EDU: BRIDGE
YOUR

IT DREAMS
TO REALITY



EMPOWERING CAREERS THROUGH KNOWLEDGE

Looking to make it big in the world of IT networking? Look no further than NS3Edu! We help beginners learn the ropes & experienced pros master new skills. Come join us and build your dream career!

CERTIFICATES



MISSION

The mission of NS3Edu is to

empower our candidates with in-depth knowledge of IT fundamentals along with real-time industry experience and also take 100% responsibility for the placement by making them Industry fit.

VISION

In-depth knowledge + hands-on experience + analytical thinking = placement



Learning



Opportunity



Experience

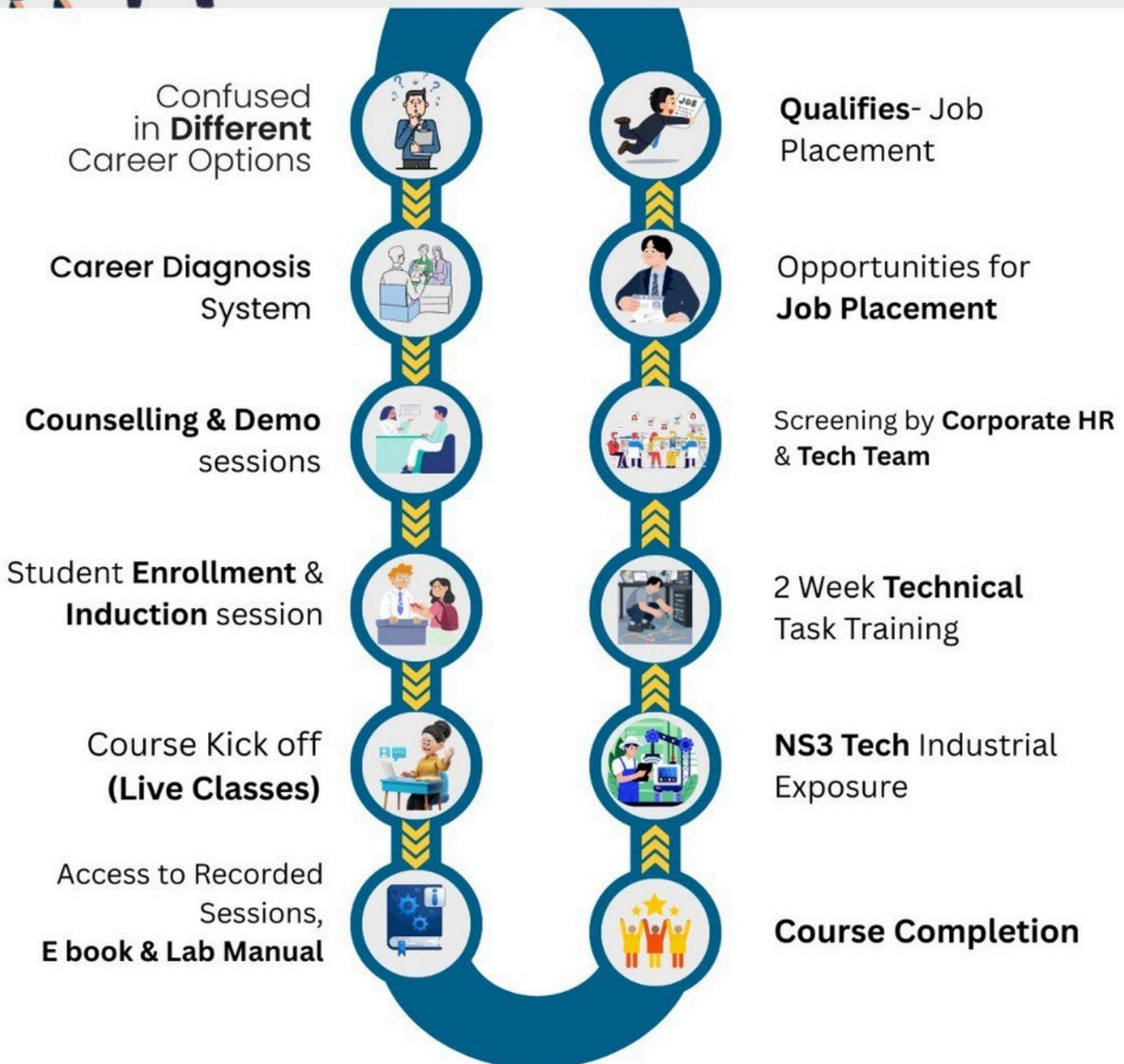


Career



ROADMAP OF **JOB**

PLACEMENT



WHAT MAKES US UNIQUE?

USP'S

Industry Demand &
Customized Courses



Course Outline

LEVEL 1: Core Network Security Foundations (CCNP Security – SCOR).

Part 1: Enterprise Security Architecture

- Enterprise Security Principles
- Defense-in-Depth
- Zero Trust Architecture
- Threat Landscape & Attack Vectors
- Security Design Best Practices

Part 2: Network Security Fundamentals

- TCP/IP Security Weaknesses
- Common Network Attacks
- Mitigation Techniques
- Secure Network Segmentation
- DMZ Design

Part 3: Identity, AAA & Secure Access

- Authentication, Authorization, Accounting (AAA)
- RADIUS & TACACS+
- Identity Sources (AD / LDAP)
- Secure Administrative Access

Part 4: Cryptography & PKI

- Symmetric vs Asymmetric Encryption
- Hashing & Digital Signatures
- Certificates & PKI
- TLS / SSL Fundamentals

LEVEL 2: Enterprise Security Technologies (CCNP Security – Professional Level)

Part 5: Firewall Technologies

- Firewall Fundamentals
- Cisco Firepower Architecture
- Access Control Policies
- NAT, Zones & Interfaces
- Application Inspection

Part 6: VPN Technologies

- Site-to-Site IPsec VPN
- Remote Access VPN
- SSL VPN
- VPN Design & Troubleshooting

Part 7: Intrusion Prevention & Threat Defense

- IDS vs IPS
- Signature-Based vs Behavior-Based Detection
- Firepower IPS Policies
- Malware & Threat Intelligence

Part 8: Network Access Control (NAC)

- Cisco ISE Architecture
- 802.1X Authentication
- Guest Access & BYOD
- Posture Assessment
- TrustSec & SGT

LEVEL 3: Advanced Network Security & SOC Operations (CCIE Security Depth).

Part 9: Secure Network Design at Scale

- Secure Campus & Data Center Design
- Secure WAN & SD-WAN
- Cloud Security Integration
- Multi-Tenant Security Design

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Part 11: Advanced Security

Troubleshooting

- Multi-Layer Security Failures
- Packet-Level Analysis
- Policy Debugging
- Performance vs Security Trade-offs

Part 12: Automation & Programmability for Security

- Security Automation Concepts
- REST APIs for Security Devices
- Python for Security Engineers
- Automated Policy Management

LEVEL 4: CCIE Security Lab **Mastery (Elite Phase)**

Part 13: CCIE Security Lab Blueprint

Mastery

- Lab Exam Technologies Overview
- Configuration vs Troubleshooting Strategy
- Time Management Techniques
- Common Lab Pitfalls

Part 14: Full-Scale Security Scenarios

- End-to-End Enterprise Security Build
- Zero Trust Implementation
- Advanced VPN + Firewall Scenarios
- NAC + Firewall + IPS Integration

Part 15: Mock Labs & Simulations

- 2-Hour, 4-Hour & 8-Hour Mock Labs
- Real CCIE-Style Troubleshooting
- Performance Review & Optimization

Part 16: Career, Certification & Expert Branding

- CCNP Security & CCIE Security Path
- Senior Security Engineer / Architect Roles
- SOC Lead Career Track
- Resume, Portfolio & LinkedIn Branding
- Global Opportunities & Salary Trends

OUR PLACEMENT PARTNERS



YOUR FUTURE OUR RESPONSIBILITY



Free consulting



Get trained with certified trainers



24X7 Lab access



Employability enhancement program



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NETWORK SECURITY



CYBER SECURITY



CLOUD SERVICE



FULL STACK DEVELOPMENT



DIGITAL MARKETING



DATA SCIENCE



AI ML LEARNING