



Zero Trust Security Engineer

Official Course Syllabus

Duration: **4 Weeks** | Live Instructor-led | Hands-on Labs | Capstone Project

Course Overview

Master Zero Trust security architecture using Zscaler and Netskope. Learn Zero Trust principles, ZTNA, SSE, CASB, DLP, identity-centric security and incident response through enterprise-focused hands-on labs.

Module 1 – Zero Trust Fundamentals

- Zero Trust Principles
- NIST Zero Trust Architecture
- Identity as the New Perimeter
- Zero Trust Maturity Model
- Hands-on: Zero Trust Assessment

Module 2 – Identity & Access Management

- MFA
- Conditional Access
- Least Privilege
- Privileged Access Management
- Identity Governance
- Hands-on Labs

Module 3 – Zero Trust Network Access (ZTNA)

- ZTNA Fundamentals
- Policy Engine
- Policy Administrator
- Continuous Verification
- Application Segmentation
- Hands-on Labs

Module 4 – Zscaler Zero Trust

- ZIA
- ZPA
- Internet Access

- Private Access
- Policy Configuration
- Hands-on: Configure ZIA & ZPA

Module 5 – Netskope Security Service Edge

- Netskope Architecture
- CASB
- Secure Web Gateway (SWG)
- Data Loss Prevention (DLP)
- Threat Protection
- Hands-on Labs

Module 6 – Data Protection & DLP

- Data Classification
- Information Protection
- DLP Policies
- Insider Risk
- Encryption
- Hands-on Labs

Module 7 – Monitoring & Incident Response

- Zero Trust Monitoring
- Log Analysis
- UEBA
- SIEM Integration
- Incident Response
- Hands-on Labs

Module 8 – Capstone Project

- Design Zero Trust Architecture
- Implement Zscaler Policies
- Configure Netskope
- Secure Users & Applications
- Executive Security Report

Tools Covered

Zscaler ZIA, Zscaler ZPA, Netskope SSE, CASB, Secure Web Gateway (SWG), Data Loss Prevention (DLP), Microsoft Entra ID, Microsoft Defender XDR.

Career Opportunities

- Zero Trust Security Engineer
- SSE Engineer

- Cloud Security Engineer
- Network Security Engineer
- Security Consultant
- Security Architect