CompTIA Security+ Exam Prep

Secure networks, systems and applications and respond to incidents, aligned to Security+.

DURATION	FORMAT	LEVEL	LABS
45 hours	Onsite, online or hybrid	Foundation	Cloud sandbox included

About this programme

A foundation cybersecurity programme following the five CompTIA Security+ (SY0-701) domains: general security concepts, threats and mitigations, security architecture, security operations, and security programme management and oversight.

Who it is for: IT support, network and system administrators, and junior security analysts

What your team will be able to do

- Apply core concepts: the CIA triad, AAA, zero trust and cryptography
- Identify threat actors, attack vectors, vulnerabilities and malicious activity
- Apply security principles to cloud and on-premises architectures
- Run vulnerability management, monitoring and incident response
- Explain governance, risk, third-party risk and compliance duties

Before you start

- Networking basics: TCP/IP, ports and protocols
- Some IT support or administration experience

Course outline

1. General security concepts

- Foundational principles: the CIA triad and AAA
- Zero trust
- Cryptography fundamentals

2. Threats, vulnerabilities and mitigations

- Threat actors and attack vectors
- Types of vulnerabilities
- Recognising signs of malicious activity
- Mitigation strategies

3. Security architecture

- Security implications of cloud and on-premises models
- Applying security principles to infrastructure
- Data protection strategies
- Resilience and recovery

4. Security operations

- Applying security techniques and managing assets
- Vulnerability management and security monitoring
- Identity and access management and security automation
- Incident response and using data for investigations

5. Security programme management and oversight

- Security governance
- Risk management and third-party risk
- Compliance and audits
- Security awareness

Sample schedule

6 days onsite, or 12 half-day sessions online. We fit days and session lengths to your team's calendar.

Day 1	8 h	General security concepts; Threats, vulnerabilities and mitigations
Day 2	8 h	Threats, vulnerabilities and mitigations (continued)
Day 3	8 h	Threats, vulnerabilities and mitigations (continued); Security architecture
Day 4	8 h	Security architecture (continued); Security operations
Day 5	8 h	Security operations (continued); Security programme management and oversight
Day 6	5 h	Security programme management and oversight (continued)

Assessment and certification

How learning is checked

- A short knowledge check on day one and again at the end, so you can see each person's progress
- Graded hands-on labs in every module, reviewed by the trainer
- A final exercise that applies the programme to a problem like your team's own
- A timed practice exam in the format of the real one, with a review of every answer

Certificate and exams

- Participants who complete the programme receive a Cognitive Networks AI certificate of completion.
- Prepares your team for the CompTIA Security+ exam. Exam vouchers are not included: each participant books the exam with CompTIA.

Formats and cohort size

- Onsite: At your office or a venue you choose, in full days.
- Online, live: Instructor-led over video, usually in half-day sessions so people can keep up with work.
- Hybrid: Some days in a room together, the rest online. Useful when a team works across cities.

Cohort size: 15 to 25 people per trainer. Larger teams run as parallel cohorts on the same outline, so everyone learns the same thing.

Pricing: We quote per cohort, based on duration, format and number of cohorts. There is no per-seat price list: tell us your team and we send a proposal within one business day.

Bring this programme to your team

Request a proposal at cognitivenetworks.ai/contact?programme=comptia-security-plus

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