CompTIA Security+® Certification Exam Prep

IT ACADEMY TRAINING

Course Details | Common Questions

Duration

5 Days

8 AM-4 PM Central Daily

Course skill level

- Foundation
- ✓ **Intermediate**
- Advanced

This course qualifies for

29 CompTIA CEUs

29 NASBA CPEs

Technology used during course

- AnyWare Classes use Zoom
- SkyTap Virtual Machines

Who should attend (Audience)

Information Security Analysts, End Point Technical Specialists, Network Operations and Security Center Specialists, and other IT Professionals who wish to demonstrate the mastery of foundational IT Security concepts and achieve the CompTIA Security+ Certification.

What is this course about?

This CompTIA Security+ training course provides the foundational knowledge you need to pass the CompTIA Security+ SY0-601 certification exam, and the skills to ensure compliance and operational security in your organization. CompTIA Security+ certification is a vendor-neutral certification that is recognized worldwide as a benchmark for information system security best practices. Earning Security+ certification demonstrates your knowledge of industry-wide information assurance topics, like systems and network security, network infrastructure, access control, assessments and audits, cryptography, and organizational security.

Note:

You will receive:

- CompTIA Security+ Study Guide: Exam SY0-601
- CompTIA Security+ exam voucher

Recommended prerequisites

- None

Previous knowledge & experience needed

- You should have knowledge of networking and a background in information assurance prior to taking this course.

Course Details

Chapter 1: Introduction to the CompTIA Security+ Exam
- The five domains of knowledge
- Expected level of expertise
- Assessing initial readiness

Chapter 2: Threats, Attacks and Vulnerabilities
- Compare and contrast types of attacks
- Explore threat actor types and vectors
- Explain penetration testing and vulnerability scanning concepts
- Identify key attack indicators

Chapter 3: Architecture and Design
- Deploy secure application designs across an enterprise
- Develop and deploy secure applications with trusted frameworks
- Defend embedded systems, cloud assets and virtualized servers
- Analyze confidentiality and nonrepudiation cryptography requirements

Chapter 4: Implementation
- Install and configure network protocols
- Identify effective host and application security solutions
- Implement authentication and authorization solutions with PKI
- Secure wireless and mobile communications against breaches

Chapter 5: Operations and Incident Response
- Respond to alerts and alarms to identity and mitigate threats
- Design and enact effective policies, processes, and procedures
- Utilize tools and data sources to support incident investigations
- Identify key elements of an incident to conduct a forensic investigation

Chapter 6: Governance, Risk and Compliance
- Explain the importance of policies, plans and procedures
- Summarize regulations, standards, and frameworks to enhance security
- Explore risk management for a stronger security posture
- Carry out best practices for data security and privacy compliance

Chapter 7: Preparing for the examination
- Getting ready for the exam
- Handling difficult questions
- Utilizing additional study guides
- Final review and assessment

Common Questions – Attendance Policy, Contacts

What is the Attendance Policy for IT Academy Classes?
IT Academy attendees are expected to adjust their work schedule to match the IT Academy class hours of 8:00am – 4:00pm. 100% attendance is expected in each IT Academy class. Missing time in class may result in the following:
- No Show=Employees who do not show up for class or arrive more than one (1) hour after the start of class will be advised to reschedule for the next available course.
- Incomplete=Employees missing a half day or more of class-any day of class-will be advised to reschedule for the next available course. Employees not available to sit for the post-test will be considered incomplete.

AnyWare Technical Support contact?
AnyWare@LearningTree.com, 1-877-653-8733

IT Academy Classroom Point of Contact?
Christopher Marsh, Christopher.marsh@tn.gov, 615-532-5517

How do I access the new My IT Academy Portal?
1. Log into Edison
2. ELM Learning Home Page
3. Quick Links
4. My IT Academy (last link under Quick Link)

For more FAQs visit the IT Academy AEM Site
https://www.teamtn.gov/sts/sts-employee-engagement/itacademytn/it-academy-toolkit/faqs.html