Course Ou

SY0-401 - CompTIA



28 Mar 2024

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Here's what you get

Features

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1. Course Objective

Gain hands-on expertise in CompTIA Security+ certification exam with SY0-401 - CompTIA Security+ course. This course covers all the objectives of SY0-401 exam which includes the foundational principles for securing a network and managing risk, access control, identity management, and cryptography and provides expertise in cloud security, wireless network protection, access control, authentication, application security and many more.

2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

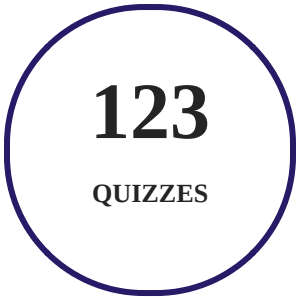
3. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.



4. Quizzes

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.



5. flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.



6. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



7. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

8. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

9. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

10. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been

recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
  1. Best Postsecondary Learning Solution

- **2015**
  1. Best Education Solution
  2. Best Virtual Learning Solution
  3. Best Student Assessment Solution
  4. Best Postsecondary Learning Solution
  5. Best Career and Workforce Readiness Solution
  6. Best Instructional Solution in Other Curriculum Areas
  7. Best Corporate Learning/Workforce Development Solution

- **2016**
  1. Best Virtual Learning Solution
  2. Best Education Cloud-based Solution
  3. Best College and Career Readiness Solution
  4. Best Corporate / Workforce Learning Solution
  5. Best Postsecondary Learning Content Solution
  6. Best Postsecondary LMS or Learning Platform
  7. Best Learning Relationship Management Solution

- **2017**
  1. Best Overall Education Solution
  2. Best Student Assessment Solution
  3. Best Corporate/Workforce Learning Solution
  4. Best Higher Education LMS or Learning Platform

- **2018**
  1. Best Higher Education LMS or Learning Platform

2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

- **2019**
  1. Best Virtual Learning Solution
  2. Best Content Authoring Development or Curation Solution
  3. Best Higher Education Learning Management Solution (LMS)

- **2020**
  1. Best College and Career Readiness Solution
  2. Best Cross-Curricular Solution
  3. Best Virtual Learning Solution

11. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Measuring and Weighing Risk

- Risk Assessment
- Developing Policies, Standards, and Guidelines
- Summary

- Exam Essentials

Chapter 2: Monitoring and Diagnosing Networks

- Monitoring Networks
- Understanding Hardening
- Securing the Network
- Security Posture
- Reporting Security Issues
- Differentiating between Detection Controls and Prevention Controls
- Summary
- Exam Essentials

Chapter 3: Understanding Devices and Infrastructure

- Mastering TCP/IP
- Designing a Secure Network
- Understanding the Various Network Infrastructure Devices
- Summary
- Exam Essentials

Chapter 4: Access Control, Authentication, and Authorization

- Understanding Access Control Basics
- Understanding Remote Access Connectivity
- Understanding Authentication Services
- Understanding Access Control
- Implementing Access Controlling Best Practices
- Summary
- Exam Essentials

Chapter 5: Protecting Wireless Networks

- Working with Wireless Systems
- Understanding Wireless Devices
- Wireless Vulnerabilities to Know
- Summary
- Exam Essentials

Chapter 6: Securing the Cloud

- Working with Cloud Computing

- Working with Virtualization
- Security and the Cloud
- Summary

Chapter 7: Host, Data, and Application Security

- Application Hardening
- Host Security
- Protecting Data Through Fault Tolerance
- Application Security
- Best Practices for Security

Chapter 8: Cryptography

- An Overview of Cryptography
- Modern Cryptography
- Using Cryptographic Systems
- Understanding Cryptography Standards and Protocols
- Using Public Key Infrastructure
- Summary
- Exam Essentials

Chapter 9: Malware, Vulnerabilities, and Threats

- Understanding Malware
- Surviving Viruses
- Understanding Various Types of Attacks
- Identifying Types of Application Attacks
- Tools for Finding Threats
- Summary
- Exam Essentials

Chapter 10: Social Engineering and Other Foes

- Understanding Social Engineering
- Understanding Physical Security
- Environmental Controls
- Control Types
- Data Policies
- Summary
- Exam Essentials

Chapter 11: Security Administration

- Third-Party Integration
- Understanding Security Awareness and Training
- Classifying Information
- Information Access Controls
- Complying with Privacy and Security Regulations
- Mobile Devices
- Alternative Methods to Mitigate Security Risks
- Summary
- Exam Essentials

Chapter 12: Disaster Recovery and Incident Response

- Issues Associated with Business Continuity
- Reinforcing Vendor Support
- Penetration Testing
- Summary
- Exam Essentials

Chapter 13: Video Tutorials

- Introduction
- Security Fundamentals and Controls
- Security and Risk
- Business Continuity and Load Balancing
- Threats, Vulnerabilities, and Assessment Tools
- Application, Data, and Host Security
- Access Control and Identity Management
- Security Controls and Cryptography
- Virtual Private Networks
- Conclusion

Chapter 14: Mapping Videos to CompTIA® Security+® Exam SY0-401

Videos and How To

uCertify course includes videos to help understand concepts. It also includes How Tos that help learners in accomplishing certain tasks.

48	05:47
VIDEOS	HOURS

12. Practice Test

Here's what you get

95	4	95
PRE-ASSESSMENTS QUESTIONS	FULL LENGTH TESTS	POST-ASSESSMENTS QUESTIONS

Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

13. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.

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