

uCertify

Course Outline

AWS Certified Security - Specialty



10 Jun 2026

1. Pre-Assessment
2. Exercises, Quizzes, Flashcards & Glossary
Number of Questions
3. Expert Instructor-Led Training
4. ADA Compliant & JAWS Compatible Platform
5. State of the Art Educator Tools
6. Award Winning Learning Platform (LMS)
7. Chapter & Lessons

Syllabus

Chapter 1: Introduction

Chapter 2: Security Fundamentals

Chapter 3: Cloud Security Principles and Frameworks

Chapter 4: Management and Security Governance

Chapter 5: Identity and Access Management

Chapter 6: Security Logging and Monitoring

Chapter 7: Infrastructure Protection

Chapter 8: Data Protection

Chapter 9: Threat Detection and Incident Response

Chapter 10: Appendix A: Creating Your Security Journey in AWS

Chapter 11: Appendix B: AWS Security Services Portfolio

Chapter 12: Appendix C: DevSecOps in AWS

Videos and How To

8. Practice Test

Here's what you get

Features

9. Live labs

Lab Tasks

Here's what you get

10. Post-Assessment

1. 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.

2. 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.

240
EXERCISES

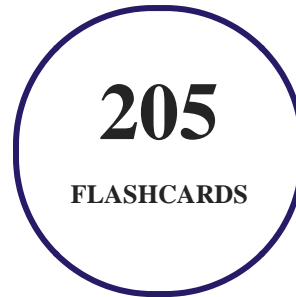
3. Quiz

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.

80
QUIZ

4. 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.



5. 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.



6. 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.

7. 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.

8. 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.

9. 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

10. 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: Introduction

- What Does This Course Cover?
- AWS Certified Security Study Guide—Specialty (SCS-C03) Exam Objectives
- Objective Map

Chapter 2: Security Fundamentals

- Understanding Security
- Basic Security Concepts
- Foundational Networking Concepts

- Main Classes of Attacks
- Risk Management
- Well-Known Security Frameworks and Models
- Summary
- Exam Essentials

Chapter 3: Cloud Security Principles and Frameworks

- Introduction
- Cloud Security Principles Overview
- The Shared Responsibility Model
- AWS Compliance Programs
- AWS Well-Architected Framework
- The AWS Marketplace
- Summary
- Exam Essentials

Chapter 4: Management and Security Governance

- Introduction

- Multi-Account Management Using AWS Organizations
- Secure and Consistent Infrastructure Deployment in AWS
- Evaluating Compliance
- Architecture Review and Cost Analysis
- Summary
- Exam Essentials

Chapter 5: Identity and Access Management

- Introduction
- IAM Overview
- How AWS IAM Works
- Access Management in Amazon S3
- Identity Federation
- Protecting Credentials with AWS Secrets Manager
- IAM Security Best Practices
- Common Access Control Troubleshooting Scenarios
- Summary
- Exam Essentials

Chapter 6: Security Logging and Monitoring

- Introduction
- Stage 1: Resources State
- Stage 2: Events Collection
- Stage 3: Events Analysis
- Stage 4: Action
- Summary
- Exam Essentials

Chapter 7: Infrastructure Protection

- Introduction
- AWS Networking Constructs
- Network Address Translation
- Security Groups
- Network Access Control Lists
- Amazon VPC Transit Gateways
- Elastic Load Balancing
- VPC Endpoints

- VPC Flow Logs
- AWS Web Application Firewall
- AWS Shield
- AWS Network Firewall
- Amazon Inspector
- AWS Systems Manager Patch Manager
- EC2 Image Builder
- Network and Connectivity Troubleshooting Scenarios
- Summary
- Exam Essentials

Chapter 8: Data Protection

- Introduction
- AWS Key Management Service
- Managing Keys in AWS KMS
- Understanding the Cloud Hardware Security Module
- AWS Certificate Manager
- AWS Secret Protection Mechanisms

- Protecting Your S3 Buckets
- Amazon Macie
- Protecting Data on the Move in AWS
- Data Protection Troubleshooting Scenarios
- Summary
- Exam Essentials

Chapter 9: Threat Detection and Incident Response

- Introduction
- Threat Detection
- Threat Detection Services
- Incident Response
- Creating Your Incident Response Plan
- Reacting to Specific Security Incidents
- Automating Incident Response
- Summary
- Exam Essentials

Chapter 10: Appendix A: Creating Your Security Journey in AWS

- How to Prioritize Your Security Initiatives
- It's a Journey
- Security Maturity Model

Chapter 11: Appendix B: AWS Security Services Portfolio

- Amazon Cognito
- Amazon Detective
- Amazon GuardDuty
- Amazon Inspector
- Amazon Macie
- Amazon Security Lake
- Amazon Verified Permissions
- AWS Artifact
- AWS Audit Manager
- AWS Certificate Manager
- AWS CloudHSM
- AWS Directory Service
- AWS Firewall Manager

- AWS Identity and Access Management
- AWS IAM Identity Center
- AWS Key Management Service
- AWS Network Firewall
- AWS Organizations
- AWS Payment Cryptography
- AWS Private Certificate Authority
- AWS Resource Access Manager
- AWS Secrets Manager
- AWS Security Hub
- AWS Shield
- AWS Web Application Firewall

Chapter 12: Appendix C: DevSecOps in AWS

- Introduction
- Dev + Sec + Ops
- AWS Developer Tools
- Creating a CI/CD Using AWS Tools

- Evaluating Security in Agile Development
- Creating the Correct Guardrails Using SAST and DAST
- Security as Code: Creating Guardrails and Implementing Security by Design

Videos and How To

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

8

VIDEOS

16

MINUTES

11. Practice Test

Here's what you get

50

PRE-ASSESSMENTS
QUESTIONS

2

FULL LENGTH TESTS

50

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.

12. Live Labs

The benefits of live-labs are:

- Exam based practical tasks
- Real equipment, absolutely no simulations
- Access to the latest industry technologies
- Available anytime, anywhere on any device
- Break and Reset functionality
- No hardware costs

Lab Tasks

Security Fundamentals

- Performing an MITM Attack

- Simulating a DoS Attack
- Implementing Intrusion Detection and Prevention

Cloud Security Principles and Frameworks

- Using the AWS Well-Architected Tool

Management and Security Governance

- Enabling and Disabling GuardDuty
- Creating a CloudTrail
- Creating an AWS Config Rule

Identity and Access Management

- Adding a User to a Group
- Creating a Policy to Restrict Access to Amazon S3 Operations

Security Logging and Monitoring

- Creating a Metric in the Amazon CloudWatch Dashboard
- Creating a Rule in Amazon EventBridge
- Integrating AWS CloudTrail with Amazon EventBridge

Infrastructure Protection

- Creating an Internet Gateway
- Creating a VPC and Subnets
- Creating a NAT Gateway
- Configuring a Security Group
- Creating an NACL
- Implementing the AWS Transit Gateway
- Creating a Network Firewall in AWS
- Using EC2 Image Builder

Data Protection

- Using a Hash Algorithm
- Performing Symmetric Encryption
- Configuring Access to AWS KMS Keys
- Protecting EBS with KMS
- Using a KMS Key to Protect an S3 Bucket
- Protecting RDS with KMS
- Creating an AWS CloudHSM Cluster
- Applying the Glacier Storage Class
- Replicating an S3 Object
- Enabling Amazon Macie

Threat Detection and Incident Response

- Enabling Amazon Detective
- Creating and Testing Lambda Function

Here's what you get

32

LIVE LABS

32

VIDEO TUTORIALS

45

MINUTES

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.

You can't stay away! Get
in touch with our team to
www.uCertify.com
know how we can work