

# AWS Certified Security Specialty (SCS-C02) Curriculum

DevOpsSchool.com

## Course Overview

- Security foundations and shared responsibility model
- AWS account strategy, Organizations, and SCPs

## Domain 1: Security Foundations & Shared Responsibility

- Baseline security controls and governance
- Account hardening and best practices

## Domain 2: Identity & Access Management

- IAM users, roles, policies, and least privilege
- Federation, SSO, and MFA

## Domain 3: Data Protection & Encryption

- AWS KMS, key policies, and rotation
- Secrets Manager and Parameter Store
- Encryption for S3, EBS, RDS, DynamoDB

## Domain 4: Infrastructure & Network Security

- VPC design, security groups, and NACLs
- VPC endpoints, PrivateLink, VPN, Direct Connect
- WAF, Shield, and Firewall Manager

## Domain 5: Logging, Monitoring & Compliance

- CloudTrail, Config, CloudWatch, centralized logging
- Audit trails and continuous compliance

## Domain 6: Threat Detection & Incident Response

- GuardDuty, Security Hub, Macie, Detective
- Incident response, forensics, and recovery

## Domain 7: Security Automation & Governance

- EventBridge, Lambda, and Systems Manager automation
- Security reporting and continuous improvement