

# Course Roadmap

AWS Cloud Technical Essentials is a fundamental-level course and will build your competence, confidence, and credibility with practical cloud skills that help you innovate and advance your professional future. Enroll in AWS Cloud Technical Essentials and start learning the technical fundamentals of AWS today!

## MODULE 01

### **AWS Overview and Security**

- AWS global infrastructure
- AWS Identity and Access Management (IAM) best practices
- AWS account root user best practices
- AWS APIs
- AWS shared responsibility model

## MODULE 02

### **Compute and Networking**

- Compute as a service
- Amazon Elastic Compute Cloud (Amazon EC2)
- Amazon EC2 instance lifecycle
- AWS Lambda
- Amazon Virtual Private Cloud (Amazon VPC)
- Security groups
- Network access control lists
- Route tables
- AWS Fargate
- Internet gateways
- Hybrid connectivity

## MODULE 03

### **Storage and Databases on AWS**

- Amazon Simple Storage Service (Amazon S3)
- Amazon Elastic File System (Amazon EFS)
- Amazon Elastic Block Store (Amazon EBS)
- Amazon Relational Database Service (Amazon RDS)
- Amazon DynamoDB

## MODULE 04

### **Monitoring and Optimization**

- Monitoring
- Elastic Load Balancing (ELB)
- Amazon EC2 Auto Scaling groups
- Amazon CloudWatch
- Amazon CloudWatch alarms
- High availability