ACE IT CAREERS
BEST CAREER BUILDER

CLOUD & DEVOPS · COURSE SYLLABUS

Amazon Web Services (AWS) Cloud

Learn the core AWS services hands-on, from compute, storage and networking to security, monitoring and cost control. This course pairs with our DevOps program.

5–6 Weeks | Live online | Placement support

Syllabus

MODULE 1

Introduction to cloud computing

- What is cloud computing?
- Benefits of the cloud
- Service models: IaaS, PaaS and SaaS
- Deployment models: public, private and hybrid

MODULE 2

Getting started with AWS

- AWS and its global infrastructure
- Setting up an AWS Free Tier account
- The AWS Management Console and CLI

MODULE 3

AWS core services

- Compute: launch, connect to, stop and terminate EC2 instances
- EC2 pricing, instance types, AMIs and key pairs
- Storage: S3 buckets, uploads and permissions
- S3 versioning, lifecycle management and EBS
- Database: launch and connect to RDS (MySQL/PostgreSQL)
- Networking: VPC, subnets, route tables and internet gateways
- Security groups and NACLs

MODULE 4

IAM and security

- IAM users, groups and roles
- Policies and permissions
- Multi-factor authentication (MFA) and best practices

MODULE 5

Monitoring and cost management

- CloudWatch metrics, alarms and logs
- AWS Budgets and Cost Explorer
- Trusted Advisor overview

Hands-on projects

- Deploy a static website on Amazon S3
- Build a CI/CD pipeline with GitHub and Jenkins

Included with every course

- Live instructor-led classes in US time zones, with session recordings
- Real-time project work and a certificate
- Resume preparation and marketing, mock interviews and placement support