

AWS

Course Duration: 4 months

Qualification: open to all individuals interested in learning AWS.

Eligibility:

No prior programming experience required; open to all individuals interested in learning AWS.

Medium of Instruction:

English

Duration:

Minimum 4 months and Maximum 6 months

Program Details:

The program has been divided into 4 modules. Consequently, there will be examinations at every end of module. For beginners it is first important to build command over programming concepts. In this course our goal is to help you to be confident with the coding fundamentals.

Curriculum: View Specialization:

Module 1: Introduction to Cloud Computing and AWS (Beginner-Friendly)

- What is Cloud Computing? (Simple explanation)
- Types of Cloud Services (IaaS, PaaS, SaaS – basic idea only)
- Introduction to AWS (Amazon Web Services)
- How to create an AWS account
- AWS Management Console overview (basic navigation)
- Basic AWS Security (IAM basics: users, password policy, MFA)

Module 2: Compute and Networking Services (Beginner-Friendly)

- Introduction to EC2 (what is a virtual machine?)
- Launching a basic EC2 instance
- Connecting to EC2 (SSH or browser-based)

- Introduction to VPC (simple explanation of private vs public network)
- Basic Networking Concepts:
 - Subnet (easy explanation)
 - Security Groups (firewall basics)
 - IP address (public & private)

Module 3: Storage and Database Services (Beginner-Friendly)

- Amazon S3 Basics
 - What is S3 bucket?
 - Upload & download files
 - Basic permissions
- Amazon EBS Basics
 - What is a disk for EC2?
- Introduction to Databases
 - Amazon RDS (simple relational database overview)
 - Amazon DynamoDB (simple NoSQL database overview)

Module 4: Monitoring, Security, and Automation (Beginner-Friendly)

- AWS CloudWatch
 - Monitoring EC2 (CPU, memory, status checks)
- AWS CloudTrail
 - Simple audit logging
- Basic AWS Security
 - IAM roles & permissions
 - Best practices for beginners
- Basic Automation
 - Introduction to AWS Lambda (very simple overview)
 - Auto scaling basics (just the concept, no deep setup)