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# AWS Cloud Computing Programme

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# Professional Foundations Programme

(your first 3 months)

## What is Professional Foundations?

Professional Foundations is a foundational programme that helps young professionals develop the essential skills needed to excel in their careers.

Over 3 months, learners engage in a programme designed around practical skills and knowledge, specifically tailored to the modern tech workplace. Through a mix of individual projects, team-based challenges, and real-world applications, this programme builds a solid foundation for professional success.

## Why is this Programme Important?

In today's job market, technical skills alone are not enough for a successful career. Employers seek well-rounded professionals who possess both technical know-how and soft skills—like communication, problem-solving, and leadership.

The Professional Foundations programme bridges this gap, empowering learners to navigate complex work environments with competence and confidence. This programme provides a complete toolkit for building the vital skills professionals need to succeed in a career in any industry.

## Career Readiness

Learners gain critical professional skills that help them stand out in the workforce and succeed in tech-focused roles.

## Collaborative Learning

Learners work in squads, encouraging peer-to-peer learning, teamwork, and a culture of continuous growth. This experience also helps build a strong professional network that will help learners grow their future careers.

## Practical Application

The programme features hands-on exercises and deliverables that allow learners to immediately apply their newly acquired skills, making learning both engaging and relevant to the real world.

## Key Components of the Programme

Professional Foundations emphasises 8 key Meta-Skills across Leadership, Analysis, and Execution—essential skill sets for thriving in today's workplace.

**Leading Self**

**Leading Others**

**Communicating for Impact**

**Quantitative Reasoning**

**Entrepreneurial Thinking**

**Critical Thinking**

**Managing Complex Tasks**

**Tech Skills**

# 10 Months (30–40 hrs per week)

## What is AWS Cloud Computing?

The AWS Cloud Computing programme has two parts that are dedicated to foundational knowledge and the other focused on AWS services. It involves delivering a wide range of Amazon Web Services (AWS)—including servers, storage, databases, networking, software, analytics, and artificial intelligence—over the Internet, commonly referred to as "the cloud." This approach enables faster innovation, flexible resource management, and cost-effective scalability.

## Why AWS Cloud Computing?

Cloud technologies are revolutionising industries, creating a high demand for professionals with cloud computing expertise. LinkedIn highlights cloud computing as one of the most in-demand skills in the tech market, making proficiency in this area crucial for career growth and advancement.

## How you'll learn

- **Weekly Content:** Access weekly content on Canvas, including online video lessons, study guides (PDFs), and additional materials such as articles and videos.
- **Peer Interaction:** Engage with your peers on the portal, where you can also seek support from our technical mentors by asking questions and more.
- **Interactive Learning:** Enjoy a variety of interactive content, including live video sessions and walk-throughs by our Technical Mentors.
- **Hands-On Experience:** Apply your learning through weekly Knowledge Checks and Labs.
- **AWS Management Console:** Utilise the AWS Management Console for practical learning opportunities.

## Why Choose Us?

### Professional Foundations

Before starting the AWS Cloud Computing programme, learners complete our 3-month foundational training, where they acquire vital skills such as self-awareness, teamwork, communication, and critical thinking—essential for success in tech.

### Accessible Entry Point

Our programme welcomes learners without prior IT experience, enabling individuals from diverse backgrounds to embark on their cloud computing careers confidently.

### Diverse Career Pathways

Whether you're aiming to become a Cloud Practitioner, Solutions Architect, or any other role within the cloud computing field, our programme offers a robust learning path tailored to various career aspirations.

### Industry-Recognised Certifications

Earn two valuable certifications from AWS: Cloud Practitioner and Solutions Architect, enhancing your credentials and employability in the tech market.

## Tools Learners Get to Use



Zoom



Calendar



Canvas (LMS)



Slido



LEA/Zendesk  
(Programme  
Support  
Channels)

# 10-Month

Programme

# 100%

Digital (Online)  
Learning  
programme

# 30-40 hrs

Per Week

# Specialisation Breakdown

Each week, you will be expected to:

- Log into the portal and engage with your peers.
- Access the LMS (Canvas) and complete the weekly content.
- Submit assignments by the Sunday deadline usually at 11:59 pm GMT.
- Attend live expert sessions facilitated by the Technical Mentors on Tuesdays and Thursdays.
- Participate in the programme Office Hours for updates and support.

## Content Breakdown

### AWS Cloud Practitioner

**Part 01:** Course Introduction & Cloud Concepts Overview

**Part 02:** Cloud Economics and Billing

**Part 03:** AWS Global Infrastructure Overview

**Part 04:** Cloud Security

**Part 05:** Networking and Content Delivery

**Part 06:** Compute

**Part 07:** Storage

**Part 08:** Databases

**Part 09:** Cloud Architecture

**Part 10:** Automatic Scaling & Monitoring

Exam Weeks



## Content Breakdown

### AWS Solutions Architect

**Part 01:** Welcome to AWS Cloud Architecting

**Part 02:** Introducing Cloud Architecting

**Part 03:** Adding a Storage layer

**Part 04:** Adding a Compute layer

**Part 05:** Adding a Database Layer

**Part 06:** Creating a Networking Environment

**Part 07:** Connecting Networks

**Part 08:** Securing User and Application Access

**Part 09:** Implementing Elasticity, High Availability, and Monitoring

**Part 10:** Automating Your Architecture

**Part 11:** Caching Content

**Part 12:** Building Decoupled Architectures

**Part 13:** Building Microservices and Serverless Architectures

**Part 14:** Planning for Disaster

#### Hands-on Project

**Part 15:** Bridging to Certification

Exam Weeks