AWS Cloud Computing Overview

6 months (30-40 hrs / week)

What is AWS Cloud Computing?

AWS Cloud Computing is the delivery of AWS computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet ("the cloud") to offer faster innovation, flexible resources, and economies of scale.

Why AWS Cloud Computing?

Cloud technologies are enabling organisations to transform rapidly, creating a high demand for cloud-savvy employees. As more and more companies adopt cloud services, there's an immense drive to hire people with cloud computing skills, which LinkedIn recognised as the most in-demand hard skills in the tech market.

Programme Objectives

- Ensure you're well-prepared with sought-after professional skills for the present-day digital workforce in the prestigious 3-month ALX Foundations course.
- Equip individuals with essential skills and knowledge in AWS cloud computing and technology.
- Prepare learners for diverse and global career opportunities in cloud-related roles.
- Grant access to The ROOM Fellowship, a prestigious talent community with networking opportunities, perks, rewards, and ongoing learning.

What makes this programme unique?

Accessible Entry Point

Learners can begin the programme without requiring prior IT experience. This unique approach empowers individuals to start their cloud careers regardless of their background.

Diverse Career Pathways

The programme caters to a wide range of career aspirations within the cloud computing field.

Industry Relevance

The programme aligns with industry demands, equipping learners with the skills and knowledge sought after by companies worldwide. This relevance enhances their employability and career prospects.

Weekly Foundations Schedule
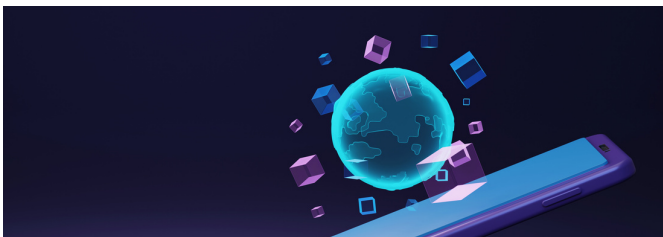## **11-15 Weeks** (30-40hrs / week)

What is ALX Foundations?

- A career-readiness training module to kick-start your ALX learning journey before moving on to your chosen specialisation.
- Learn exceptional communication, teamwork, and leadership skills that make ALX graduates top picks in the job market.
- Be ready for a real-world career with soft skills that keep you ahead in the rapidly changing tech industry.
- Become a well-rounded professional by sharpening your strong points, developing growth areas, and connecting your career path with a purposeful mission.

8 Key Meta Skills

1. **Leading Self**
2. **Leading Others**
3. **Critical Thinking**
4. **Entrepreneurial Thinking**
5. **Quantitative Reasoning**
6. **Communicating for Impact**
7. **Managing Complex Tasks**
8. **Navigating Tech Ecosystems**

Weekly Content

Weeks 11 - 15: The World of Tech

- Tech Specialisation Introductions
- Identifying Opportunities
- Tech Teams Structures
- Industry Specific Recruiting
- Bio, Website, Portfolio & Pitch

Week 01 – 05: Self Improvement

- Google Suite
- Work Planning & Resource Allocation
- Ethics & Integrity
- Global Challenges/ Opportunities
- Problem Definition and Structuring
- Research & Authentic Enquiry

Week 06 – 10: Group Problem Solving

- Data Contextualisation
- Uncertainty & Modelling in the Real World
- Quantitative Problem Solving
- Understanding the User/Market
- Creating Solutions & Prototyping
- Data Based Decision Making

Week 16 onward: alongside - and for the same duration as - your tech track

- The Game of Employment
  - Career Readiness
  - Cover Letters | Resumes | LinkedIn
  - Interviewing & Negotiating
- Revamped Bio, Website and Portfolio
- Networking
- AI & The Future of Work
- Test Taking Strategies

Weekly Schedule

- Live Learning sessions led by the Technical Mentors offering a practical understanding & real world applications of the course content.
- Regular online check-ins and in-person meet-ups (where learners collaborate with peers, discuss challenges, share insights).

Weekly Content

AWS Cloud Practitioner

Week 01 – Cloud Concepts, Economics, Security & AWS Global Infrastructure

Week 02 – Networking and Content Delivery, Compute & Storage services

Week 03 – Databased, Cloud Architecture & Automatic Scaling & Monitoring

Week 04- Catch-up Week / 1st Exam Week

Week 05 – Cloud Practitioner Exam Week

Week 06 – Recess Week

AWS Solutions Architect

Week 07 – Introduction to AWS Cloud Architecting

Week 8: Storage & Compute Layers

Week 9: Database Layers & Networking Environment

Week 10: Catch-up Week

Week 11: Connecting Networks and User & Application Access

Week 12: Automating your Architecture

Week 13: Caching Content & Building Decoupled Architectures

Week 14: Catch-up Week

Week 15: Microservices and Serverless Architectures, & Disaster Planning

Week 16: Capstone + Exam Prep Week

Week 17: Solutions Architect Exam Week

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