



# SKILLS CITY

Fair Access to Technology Futures

funded by



## Course Structure

You will engage in a variety of activities each week, including taught classes, workshops, personal learning and group projects. Throughout the bootcamp, you will gain knowledge and support through a mixture of the following sessions and modules:

AWS re/Start

Personal Development Sessions

Careers & Employability Workshops

Capstone & Industry Projects

Guest Speakers

CV & Job Application Support

Interview Preparation

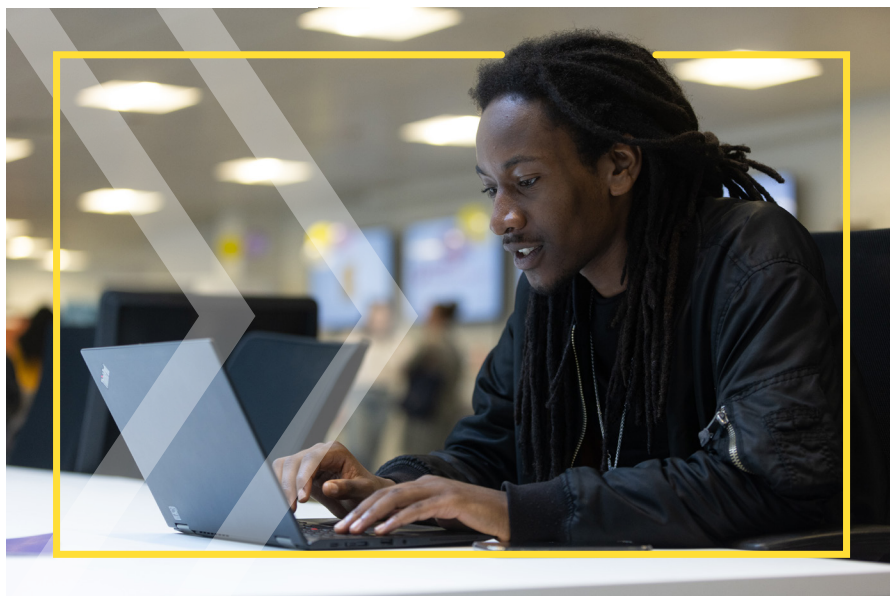
Mock Interviews

Cisco Cybersecurity Essentials

Cloud Computing Fundamentals

# CLOUD SECURITY SKILLS BOOTCAMP

## SECURE YOUR FUTURE IN TECH



Our 14-week Cloud Security Skills Bootcamp follows the AWS re/Start programme and Cisco Networking Academy's Cyber Security module. It covers the foundational-level skills that are the critical first step in establishing competency in cloud and cyber roles.

## Sample Timetable

Day	09:30 - 12:30	13:30 - 16:30
Monday	Technical	Technical
Tuesday	Technical / Careers & employability	Guest speaker
Wednesday	Technical	Technical support drop-ins
Thursday	Personal development	Labs walkthrough
Friday	Technical	Project work session

## Week 1 | Bootcamp Induction

Introductions and managing expectations

### Introduction to Cloud Foundations

- Introduction to Amazon's leadership principles
- What is cloud computing and self-study?
- Advantages of cloud computing
- AWS services, Simple Storage Service and Elastic Compute Cloud

Career workshops

## Week 2 & 3 | Linux

- Introduction to Linux
- Working with the file system
- Managing file permissions
- Managing networking
- Working with commands
- Bash Shell scripting

Project work

## Week 4 | Computer Networking

- Introduction to networking
- Communication protocols (MQTT)
- IP subnetting
- Emotional intelligence
- Network security and threat mitigation

Project work

## Week 5 | Introduction to Security

- Security life cycle – network discovery
- Data security and public key infrastructure
- Detection and malware
- Incident response and analysis
- Security compliance programme

Project work

## Week 6 | Python Programming

- Introduction to programming
- Combining values into composite data types
- Introduction to Python and flow control
- System administration with Python
- DevOps and continuous integration

Project work

## Week 7 | Databases

- Introduction to databases
- Creating tables and learning data types
- Selecting data from a database
- Working with functions
- Transactions and tables
- Review databases

Project work

## Week 8 & 9 | Jumpstart on AWS

- Understanding systems operations
- Tooling and automation
- Compute (servers)
- AWS Elastic Beanstalk
- ELB load balancers and listeners
- CloudFront

Project work

## Week 10 | Jumpstart on AWS

- Compute (containers and serverless)
- AWS step functions
- AWS Database Migration Service

Project work

## Week 11 | Jumpstart on AWS Advanced

- AWS VPC connectivity
- Storage and archiving
- Elastic file system
- AWS data transfer and migration services
- Deep Dive: Amazon Cloud Watch

Project work

## Week 12 | Jumpstart on AWS Advanced

- Managing resource consumption
- Creating automated and repeatable deployments
- JSON and YAML
- Troubleshoot with AWS CloudFormation

Project work

## Week 13 | Cyber Security Essentials

- Security controls for networks, servers, and applications
- Security principals and developing compliant policies
- Procedures for data confidentiality and availability
- Critical thinking and problem-solving using real equipment and Cisco Packet Tracer

Project work

## Week 14 | AWS Cloud Practitioner Exam Preparation

- Industry projects presentation
- Capstone projects submission
- Exam preparation

## Week 14+

**Graduation Ceremony**  
**Job Support sessions**



# CAREERS SUPPORT TO SKILLS CITY STUDENTS

## Qualifications



Bootcamp graduation credly badge offered by Skills City on successful completion of the bootcamp

[Find out more](#)



AWS re/Start Graduate credly badge offered by AWS on successful completion of the bootcamp  
[Find out more](#)



Certification badge on successfully passing the AWS Certified Cloud Practitioner exam  
[Find out more](#)

## Job postings

We communicate regularly with our clients and share their job postings with our students. We also find jobs from external job posts suitable for graduates from each bootcamp pathway and at the correct level for them to secure.

## CV/application support

We ensure students' CVs are up to standard and provide feedback, support, and guidance on improving their applications. This includes reviewing their CVs and applications and providing feedback on how to tailor them to specific job opportunities.

## Interview preparation

We offer advice on researching the company and hiring manager, preparing examples using the STAR method, practising timings and answers, choosing appropriate attire, and arriving on time. We also advise how to make a positive first impression and prepare 2-3 questions to ask at the end of the interview.

## Mock interviews

Our mock interview sessions are designed to provide general interview practice and help students improve their confidence and communication skills. We also share online resources for technical interviews to help students prepare for them.

## Networking opportunities

We help students connect with potential employers when the opportunity arises.

## Personalised team calls

We arrange team calls with students who are particularly struggling and would like support or encouragement through their career change process. It is not a common occurrence, but we offer support where we can.

## Follow-up

Additionally, we follow up with students after learning they have had an interview to see how it went and if we can offer further support. We aim to empower students to succeed in their career journey while providing support on a case-by-case basis as needed.



**SKILLS CITY**

Fair Access to Technology Futures

[SKILLS-CITY.COM](https://www.skills-city.com)

funded by

