Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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AI CERTs® AI+ Developer™

CODE:	LENGTH:	PRICE:
AIC_AT-310	40 Hours	£370.00

Description

Get hands-on with the tools and technologies that power the AI ecosystem.

- Core AI Foundations: Covers Python, deep learning, data processing, and algorithm design
- Hands-on Projects: Focus on NLP, computer vision, and reinforcement learning
- Advanced Modules: Includes time series, model explainability, and cloud deployment
- Industry-Ready Skills: Prepares learners to design and deploy complex AI systems

At a Glance: Course + Exam Overview

Included: Self-paced course + Official exam + Digital badge
Delivery: Online labs, projects, case studies
Outcome: Industry-recognized credential + hands-on experience

The following tools will be explored in this course:

- TensorFlow
- SHAP (SHapley Additive exPlanations)
- Amazon S3
- AWS SageMaker

What's Included (One-Year Subscription + All Updates):

- High-Quality Videos, E-book (PDF & Audio), and Podcasts
- AI Mentor for Personalized Guidance
- Quizzes, Assessments, and Course Resources
- Online Proctored Exam with One Free Retake
- Comprehensive Exam Study Guide
- Access for Tablet & Phone

Objectives

- AI Cloud Infrastructure Management
- Cloud Automation with AI
- Predictive Cloud Analytics
- Cloud Security with AI
- AI-Powered Data Management in Cloud

Audience

- Cloud Professionals: Enhance your cloud management skills by integrating AI to optimize cloud performance, improve resource utilization.
- Cloud Architects & Engineers: Learn to leverage AI to design scalable cloud infrastructures, automate cloud provisioning, and enhance security.
- IT Infrastructure Managers: Use AI to optimize cloud deployment, automate system management, and improve cloud security

and disaster recovery planning.
- Business Leaders: Drive innovation in your organization by adopting AI in cloud technologies to enhance scalability, reduce costs, and optimize cloud solutions.
- Students & Fresh Graduates: Gain a competitive edge in the cloud computing field by mastering AI tools and techniques that are revolutionizing cloud infrastructure.

Prerequisites

- A foundational understanding of key concepts in both artificial intelligence and cloud computing.
- Fundamental understanding of computer science concepts like programming, data structures, and algorithms.
- Familiarity with cloud computing platforms like AWS, Azure, or GCP.
- Basic knowledge of mathematics as it important for machine learning, which is a core component of AI+ Cloud™ program.

Programme

Course Overview
Course Introduction

Module 1: Fundamentals of Artificial Intelligence (AI) and Cloud
1.1 Introduction to AI and Its Application
1.2 Overview of Cloud Computing and Its Benefits
1.3 Benefits and Challenges of AI-Cloud Integration

Module 2: Introduction to Artificial Intelligence
2.1 Basic Concepts and Principles of AI
2.2 Machine Learning and Its Applications
2.3 Overview of Common AI Algorithms
2.4 Introduction to Python Programming for AI

Module 3: Fundamentals of Cloud Computing
3.1 Cloud Service Models
3.2 Cloud Deployment Models
3.3 Key Cloud Providers and Offerings (AWS, Azure, Google Cloud)

Module 4: AI Services in the Cloud
4.1 Integration of AI Services in Cloud Platform
4.2 Working with Pre-built Machine Learning Models
4.3 Introduction to Cloud-based AI tools

Module 5: AI Model Development in the Cloud
5.1 Building and Training Machine Learning Models
5.2 Model Optimization and Evaluation
5.3 Collaborative AI Development in a Cloud Environment

Module 6: Cloud Infrastructure for AI
6.1 Setting Up and Configuring Cloud Resources
6.2 Scalability and Performance Considerations
6.3 Data Storage and Management in the Cloud

Module 7: Deployment and Integration
7.1 Strategies for Deploying AI Models in the Cloud
7.2 Integration of AI Solutions with Existing Cloud-Based Applications
7.3 API Usage and Considerations

Module 8: Future Trends in AI+ Cloud Integration
8.1 Introduction to Future Trends

8.2 AI Trends Impacting Cloud Integration

Module 9: Capstone Project
9.1 Applying AI and Cloud Concepts to Solve a Real-world Problem

Optional Module: AI Agents for Cloud Computing
1. Understanding AI Agents
2. Case Studies
3. Hands-On Practice with AI Agents

Follow on courses

Recommended Certifications:

- AI+ Architect™

Test and Certification

Exam Details

- Duration: 90 minutes
- Passing Score: 70% (35/50)
- Format: 50 multiple-choice/multiple-response questions
- Delivery Method: Online via AI proctored exam platform (flexible scheduling)

Exam Blueprint:

- Fundamentals of Artificial Intelligence (AI) and Cloud - 5%
- Introduction to Artificial Intelligence - 7%
- Fundamentals of Cloud Computing - 8%
- AI Services in the Cloud - 10%
- AI Model Development in the Cloud- 15%
- Cloud Infrastructure for AI - 15%
- Deployment and Integration - 15%
- Future Trends in AI + Cloud Integration - 20%
- Capstone - 5%

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
01 Jan 0001			English	Self Paced Training		£370.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.