Project Management with Microsoft Azure Fundamentals (AZ–104)

1. Overview

The purpose of this skills programme is to equip participants with the knowledge, practical skills and workplace competence required to successfully manage ICT and cloud implementation projects while developing technical competence aligned to the Microsoft Azure Administrator Associate (AZ-104) certification.

Participants will acquire accredited project management competencies together with practical Microsoft Azure administration skills, enabling them to participate effectively in cloud deployment, migration, governance and operational support projects.

2. Programme Outcome

- Plan and initiate ICT and cloud projects
- Develop comprehensive project schedules
- Allocate and manage project resources
- Lead technical implementation teams
- Apply project management tools and methodologies
- Monitor project performance
- Manage project risks
- Prepare project reports
- Implement cloud governance
- Deploy and administer Microsoft Azure resources
- Monitor Azure infrastructure
- Manage Azure security
- Configure Azure networking
- Administer Azure virtual machines
- Implement Azure storage solutions
- Manage Azure identities
- Optimise Azure costs
- Prepare organisations for cloud migration

Qualification:	Certificate of Completion & Microsoft Azure Administrator Associate (AZ-104) Certificate
Duration:	6-Months
Programme Type:	Category B – Workplace-Based Learning Programme
Programme ID:	PA0321
SAQA US:	119343, 120385, 10148, 114585, 15214, 114589, 13941
NQF Level:	5
Credits:	52
Entry Requirements:	National Senior Certificate (Grade 12) or an equivalent NQF Level 4 qualification

Training Options:

Online - Each participant will receive access to an online portal, where all programme materials and resources are available. Training is delivered fully online, and participants will join scheduled Microsoft Teams sessions facilitated by a trainer. This mode provides flexibility and allows learners to participate from any location.

Blended - Blended learning combines both online and face-to-face training. Participants receive access to an online portal for online content, resources, and self-paced activities. They also attend scheduled in-person contact sessions with a facilitator, either at the client's premises or providers campus. This approach offers the flexibility of online learning with the added support of guided, interactive sessions.

Face-to-Face - Each participant will receive training resources, which contains all programme materials and resources. Training is delivered through onsite contact sessions, either at the client's premises or providers campus, where a facilitator conducts the sessions in a classroom environment.

Minimum Learners Required: (1) Online, (1) Blended & (1) Face-to-Face

3. Programme Content

- **(119343 US):** Apply operations research principles and tools in the management of project activities and resources
- **(120385 US)**: Apply a range of project management tools and techniques
- **(10148 US):** Supervise a project team of a business project to deliver project objectives
- **(114585 US):** Plan strategically to improve business performance
- **(15214 US):** Recognise areas in need of change, make recommendations and implement change in the team, department or division
- **(114589 US):** Manage time productively
- **(13941 US):** Apply the budget function in a business unit

4. Topics:

Module 1: Project Management Fundamentals

- PMBOK principles
- Agile fundamentals
- Scrum
- ICT project life cycle
- Cloud project governance
- Azure Lab
- Azure Portal orientation
- Azure subscriptions
- Azure Resource Groups

We trust that the above is in order and look forward to hearing from you for Implementation

Module 2: Project Planning

- Work Breakdown Structures
- Scheduling
- Critical Path
- Resource allocation
- Azure Lab
- Resource deployment
- Templates
- Azure Resource Manager

Module 3: Managing Azure Identity

- AZ-104 Alignment
- Microsoft Entra ID
- Users
- Groups
- RBAC
- Managed Identities

Module 4: Azure Storage Administration

- AZ-104 Alignment
- Storage Accounts
- Blob Storage
- File Shares
- Storage Security
- Lifecycle Policies

Module 5: Azure Compute

- AZ-104 Alignment
- Virtual Machines
- Availability Sets
- Scale Sets
- Azure App Services

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ProudAfrique Human Capital (Pty) Ltd
Xanado on Smit, 231 Smit Street, Fairland, Gauteng, 2170
Tel: 011 678 1445 | Fax: 086 459 5925 | www.pahc.org.za | info@pahc.org.za

Module 6: Azure Networking

- AZ-104 Alignment
- VNets
- Subnets
- VPN Gateway
- Load Balancer
- Application Gateway
- Network Security Groups

Module 7: Azure Monitoring

- AZ-104 Alignment
- Azure Monitor
- Log Analytics
- Alerts
- Backup
- Recovery Services

Module 8: Azure Governance

- AZ-104 Alignment
- Azure Policy
- Management Groups
- Cost Management
- Tags
- Security Centre
- Defender for Cloud

Module 9: Project Leadership

- Managing teams
- Stakeholder engagement
- Conflict resolution
- Communication
- Reporting
- Azure Practical
- Lead a simulated cloud implementation project.

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Module 10: Capstone Project

Learners complete a simulated Azure migration project incorporating:

- Project Charter
- Scope
- Budget
- Schedule
- Azure Architecture
- Azure Deployment
- Risk Register
- Status Reports
- Lessons Learned
- Final Presentation

5. Assessments

This programme includes a Portfolio of Evidence (POE) that must be submitted at the end of the programme. The POE include:

- **Knowledge Assessments:** To evaluate theoretical understanding
- **Practical Assignments:** Hands-on tasks related to course topics
- **Workplace Assignments and Logbook:** Application of skills in real-world settings
- The Microsoft AZ-104 examination voucher will incur an additional cost, charged at the voucher price plus a 10% administration fee. Alternatively, the client may purchase the examination voucher directly.

Successful participants will receive a certificate of completion.

6. Workplace-Based Learning Programme

This WLP is a fusion of academic learning and practical work. The learning is directly applied to the workplace by using client-based mentors and extensive workplace-based portfolio work and assignments. Apart from the obvious benefits of a workplace directed qualification, each WLP qualifies for recognition as a Category B Skills Programme in the Learning Matrix of the Amended BEE codes, which allows for the salaries of participants to be recognized as part of the Skills Development Expenditure.

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