



Machine Learning Programming

OFFICIAL ACADEMIC PROSPECTUS & CURRICULUM GUIDE

NQF Level: Industry Certification | **Credits:** N/A

Delivery: Online

Print Date: June 30, 2026

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PROGRAMME OVERVIEW

PROGRAMME DURATION	10 Weeks
ACADEMIC LEVEL	Industry Certification
TOTAL CREDITS	N/A
SAQA REGISTRATION	Pending
MODE OF DELIVERY	Online
TOTAL INVESTMENT	R 3,000 (Registration Deposit: R 799)

Executive Introduction

PURPOSE OF THE LEARNING PROGRAMME

Outcomes are currently being formalized.

MODULE BREAKDOWN

Module 01: Absolute Beginner Foundation Python & Math

Linear Algebra and Calculus refresh for ML.

Module 02: Data Engineering for ML

ETL pipelines and feature engineering.

Module 03: Advanced Supervised Learning

Ensemble methods, Random Forests, and SVMs.

Module 04: Unsupervised Learning and Clustering

K-Means, DBSCAN, and PCA.

Module 05: Deep Learning & CNNs

Convolutional Neural Networks for Image Recognition.

Module 06: RNNs & NLP

Recurrent Neural Networks for Text and Time Series.

Module 07: Reinforcement Learning

Q-Learning and Agents.

Module 08: MLOps Principles

Model deployment, versioning, and monitoring.

Module 09: Cloud ML Services

Using AWS SageMaker and Azure ML.

Module 10: Final Architecture Project

Designing a scalable ML system.

Module 00: Module 0: Introduction & Orientation

Module 999: Mentorship Catch-Up Sessions

NEXT STEPS & APPLICATION

Ready to definitively advance your professional trajectory? Formal applications are currently open for the upcoming academic cycle. To securely guarantee your placement in the next intake for **Machine Learning Programming**, please complete our online application process or contact our admissions advisory team directly.

CONTACT ADMISSIONS

Official Email: apply@softkingsacademy.co.za

Academy Website: www.skacademy.co.za

WhatsApp: +27 69 271 9901

Tel: +27 21 1097 366 | +27 12 004 3732 | +27 70 5422 373

DIGITAL STUDENT PORTALS

Studentzone: portal.skacademy.co.za

Exam Centre: exams.skacademy.co.za

Verify Certificate: skacademy.co.za/verify-certificate

APPLY ONLINE NOW

SOFTKINGS ACADEMY IS FORMALLY COMMITTED TO PROVIDING INDUSTRY-LEADING, ACCREDITED SKILLS DEVELOPMENT.

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INFORMATION CONTAINED WITHIN THIS PROSPECTUS IS CORRECT AT THE TIME OF PRINTING.