



CATALYST.AI



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SAQA ID

118708

DURATION

12 months

CREDITS

185

QCTO

Occupational Certificate:

DATA SCIENCE PRACTITIONER NQF Level 5

A: 54 Wierda Road, St Andrews, Ground Floor, Wierda Valley, Sandton

Campus A: Block M, Central Park, 400 16th Rd, Randjespark, Midrand, 1685

PROGRAMME OVERVIEW

This qualification aims to prepare learners to operate as Data Science Practitioners, focusing on the collection, transformation, analysis, and communication of data. The learner will be skilled in turning data into usable formats, uncovering patterns, and presenting findings to solve business problems using data visualisation tools.

ENTRY REQUIREMENTS

- NQF Level 4 with Mathematics.
- Foundational knowledge in English.
- Basic computer literacy is required.
- Alternatively, access may be granted through Recognition of Prior Learning (RPL), considering learner work experience.

RECOMMENDED TARGET AUDIENCE

This qualification is designed for:

- Existing employees who have practical experience in data science but lack formal recognition of their skills.
- Individuals with an aptitude for problem-solving and interest in mathematics, data, and technology.

OUTCOMES AND OBJECTIVES

Upon completion, learners will:

1. Collect structured and unstructured data from various sources and transform it into a usable format.
2. Apply data analysis techniques to identify patterns and trends in data to solve business-related problems.
3. Prepare and present descriptive analytic reports using programming languages, statistical techniques, and data visualization tools.
4. Communicate insights through storytelling and visualizations to inform business decisions.

CAREER OPPORTUNITIES

Upon completion, learners can pursue roles such as:

- Data Analyst Assistant
- Junior Data Analyst
- Data Miner
- Data Custodian
- Management Information Analyst

ARTICULATION OPTIONS

This qualification offers both horizontal and vertical articulation possibilities:

Vertical Articulation:

- National Certificate: Business Analysis Support Practice, NQF Level 5.

Horizontal Articulation:

- National Certificate: Business Analysis, NQF Level 6.