



CATALYST.AI



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SAQA ID

119458

DURATION

12 Months

CREDITS

240

QCTO

Occupational Certificate:

SOFTWARE ENGINEER

NQF Level 6

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

The Occupational Certificate: Software Engineer aims to equip learners with the skills to research, design, develop, deploy, test, debug, and maintain software applications. It prepares learners to meet the demands of the rapidly evolving ICT industry.

ENTRY REQUIREMENTS

- NQF Level 4 qualification or equivalent.
- Understanding of engineering principles, software and knowledge of programming languages to build software solutions.

RECOMMENDED TARGET AUDIENCE

This qualification is designed for:

- Individuals with an interest in ICT and software development.
- Individuals transitioning to a career in Software Engineering.

OUTCOMES AND OBJECTIVES

Upon completion, learners will:

1. Understanding user requirements for software applications.
2. Proficiency in database design and optimisation.
3. Skills in programming languages and software tools.
4. Competence in debugging and quality assurance methodologies.

CAREER OPPORTUNITIES

Upon completion, learners can pursue roles such as:

- Applications developer
- IT technical support officer
- Multimedia programmer
- Web developer

ARTICULATION OPTIONS

This qualification offers both horizontal and vertical articulation possibilities:

Vertical Articulation:

- Diploma in Information Technology in Software Development, NQF Level 6.
- Diploma in Information Technology in Web Development, NQF Level 6.
- Diploma in Information Technology Management, NQF Level 6.

Horizontal Articulation:

- Bachelor of Information Technology in Business Systems, NQF Level 7.