



IT

LEARNERSHIP

The background image shows a laptop on a desk with its screen displaying code. To the right, there is a network switch with several blue and yellow Ethernet cables plugged in. A pair of glasses and a pen are also on the desk. The overall lighting is dim, with a blue tint.

SOFTWARE TESTER

119438



010 085 0918



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405 Cliff Ave, Waterkloofridge, Pretoria



BOOK NOW



12 MONTHS



**CLASSROOM
/ONLINE TRAINING**



NQF LEVEL 5 CREDITS (70)

ABOUT THE COURSE

The Software Tester programme prepares learners to assess the functionality of software applications against client specifications. It forms part of the broader Software Engineer curriculum and focuses on testing and debugging source code to ensure software solutions meet user and business requirements.

Learners develop the ability to understand software engineering concepts, participate in project processes, apply mathematical reasoning in software environments, and perform functional and non-functional testing.

The program also includes practical testing activities and workplace exposure, ensuring learners can plan for testing, write test cases, execute tests, and produce test reports in real working environments.



Target Audience

- School leavers interested in ICT and software quality careers
- Individuals wanting to enter software testing and QA environments
- Learners seeking practical testing and debugging skills
- People with software development exposure who want to specialise in testing

PRICE

VIRTUAL TRAINING : (Price on request)

CLASSROOM TRAINING: (Price on request)

(Includes snacks and beverages – only applicable to classroom bookings)

KNOWLEDGE MODULES

SMART ZONE

1. Software Engineering

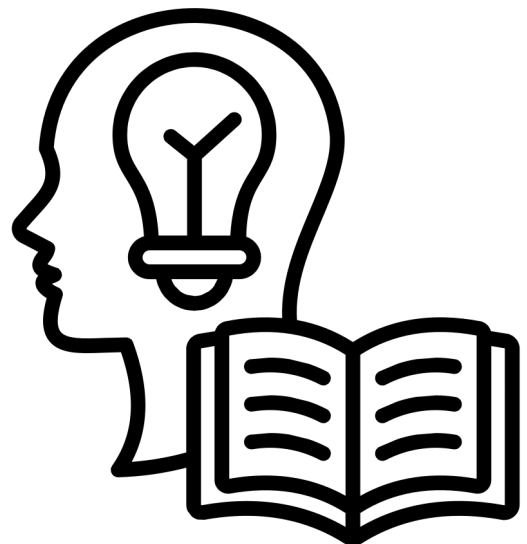
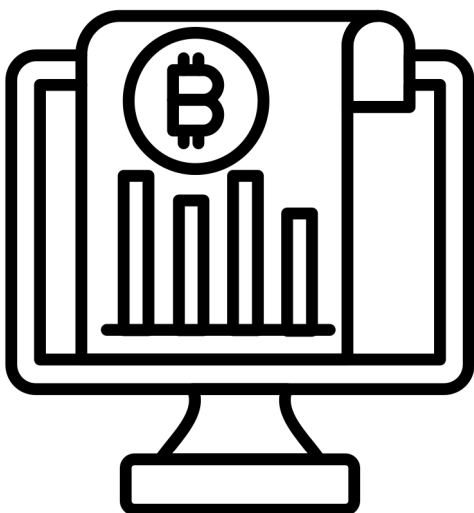
- Systems analysis and design
- Software and system testing methodologies
- System deployment and integration
- System management

2. Fundamentals of Project Management in relation to Software Engineering

- Fundamentals of projects
- Project management basics
- Project life cycle
- Team roles and constraints

3. Digital and Business Mathematics

- Basic algebra
- Analytical geometry
- Calculus
- Exponents and logarithms
- Statistics and probability
- Equations, graphs, and linear programming



WORK BASED AREAS

SMART ZONE

- Software Tester
- Quality Assurance Support
- Functional Testing
- Non-functional Testing
- Test Case Preparation
- Test Reporting
- Debugging and validation support
- Software quality environments



PRACTICAL SKILLS

SMART ZONE

1. Functional and Non-Functional Testing

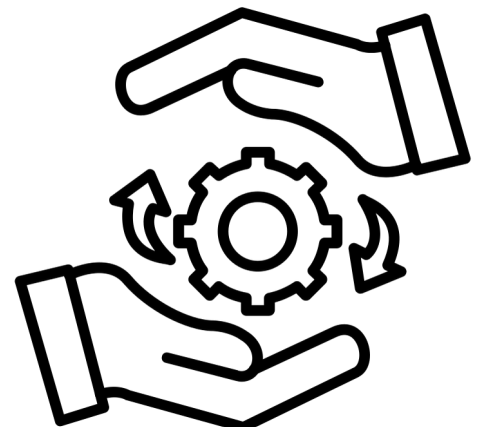
- Identify functional tests
- Identify non-functional tests
- Apply the correct testing methods
- Produce a structured test report

2. Debugging and Validation

- Test or debug source code
- Confirm software meets client specifications
- Support software quality assurance processes

3. Workplace Testing Experience

- Plan for testing
- Write test cases
- Engage in software testing
- Produce supporting test evidence and reports



KEY FEATURES

SMART ZONE

- Part Qualification: Software Tester
- Parent Curriculum: Software Engineer
- Curriculum Code: 119438
- Associated Occupation: Software Developer Entry Requirement:
- NQF Level 4, ICT-related qualification, or 3 years' software development experience
- Knowledge credits: 40
- Practical skill credits: 15
- Work experience credits: 15
- Focus on software testing, debugging, and reporting
- Includes workplace testing exposure
- Development Quality Partner: MICTSETA
- QCTO-aligned occupational curriculum



BENEFITS OF THIS LEARNERSHIP

- Prepares learners for careers in software testing and QA
- Develops practical testing and debugging capability
- Builds understanding of functional and non-functional testing
- Equips learners to assess software against client requirements
- Strengthens analytical thinking and problem-solving in software environments
- Includes practical and workplace-based testing experience
- Builds skills in planning tests, writing test cases, and producing test reports
- Provides a pathway into broader software engineering and development careers
- Supports employability in software quality and testing roles
- Aligns with industry demand for reliable software delivery and quality assurance



SIGN UP NOW

SIGN UP NOW AND SECURE YOUR PLACE

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2. Select the training you prefer and the date you would like to attend.
3. Fill in the registration form.
4. Choose your payment method and finalize the booking.

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Accreditation



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Fasset

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