

<b>QUALIFICATION TITLE:</b>	<b>7. National Certificate: Information and Communication Technology (ICT) Software Testing</b>
<b>NQF Level:</b>	<b>Level 5</b>
<b>DURATION:</b>	<b>One Year</b>
<b>PURPOSE:</b>	<p>The purpose of this Qualification is to produce well trained people who can conduct a practical investigation to provide stakeholders with information about the quality of the software product or service under test. It will provide learners with both theoretical and practical learning to develop their ability as software testers in the workplace. In essence, it will equip the learner with the ability to apply the software testing process of validating and verifying that a software programme/application/product:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Meets the business and technical requirements that guided its design and development.</li> <li><input type="checkbox"/> Works as expected.</li> <li><input type="checkbox"/> Can be implemented with the same characteristics.</li> </ul>
<b>CAREER PATH:</b>	<p>In achieving this Qualification, the learner will be able to:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Demonstrate an understanding of the principles of the Software Development Life Cycle (SDLC).</li> <li><input type="checkbox"/> Evaluate requirements and requirement-based test design.</li> <li><input type="checkbox"/> Execute the testing process.</li> <li><input type="checkbox"/> Manage the testing process, execution, and defect tracking.</li> <li><input type="checkbox"/> Conduct static testing.</li> </ul> <p>The Qualification not only consists of knowledge and skills required to equip the learner to perform the function of Software Testing professionally with insight but contains building blocks of skills and knowledge that can be developed further in Qualifications in Information Technology and Communications (ITC) at higher levels on the NQF. The intention is:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> To promote the development of knowledge, skills and values that are required in the Information Technology and Communications (ITC) Software Testing industry.</li> <li><input type="checkbox"/> To release the potential of people, in order for them to grow and develop and stimulate the economy.</li> <li><input type="checkbox"/> To provide opportunities for people to move up career paths by being more valuable to their organisation, the economy and themselves.</li> </ul>
<b>Exit Level Outcome</b>	<p>Up on completion of the programme the learner will be able to :</p> <ol style="list-style-type: none"> <li>1. Demonstrate and apply an understanding of the principles of the Software Development Lifecycle (SDLC).</li> <li>2. Evaluate requirements and requirement-based test design</li> <li>3. Execute the testing process</li> <li>4. Manage the testing process, execution, and defect tracking</li> <li>5. Conduct static testing</li> </ol>
<b>Entry Requirements for the Programmes:</b>	<ul style="list-style-type: none"> <li>• Any Relevant Qualification at NQF Level 4</li> <li>• Communications at NQF Level 4</li> <li>• Mathematical Literacy at NQF Level 4</li> <li>• Computer Literacy at NQF Level 3</li> </ul>