

Fact Sheet: National Certification: IT: Systems Development SAQA ID: 48872 Qualification Outline

NQF Level 5, 140 Credits (Minimum 131)
1400 Notional Hours

LEARNING UNIT	LEARNING OUTCOME	UNIT STANDARD
LU 1 Personal Development - 31 Credits_Contact Hrs 135	ELO 1: Communicate Effectively with Fellow IT Staff & Users of Information Systems. ELO 2: Understand the Role of Technology in the Business Context.	UNIT STANDARDS: - 114076, 3 Credits, Fund, L4 - 114051, 4 Credits, Fund, L5 - 114055, 3 Credits, Fund, L5 - 114059, 5 Credits, Fund, L5 - 114050, 4 Credits, Fund, L5 - 116389, 4 Credits, Fund, L4 - 115431, 3 Credits, Fund, L5 - 13925, 5 Credits, Fund, L5
LU 2 Database_Design, Implementation & Development - 30 Credits_Contact Hrs 130	ELO 3: Demonstrate an Understanding of Problem Solving Techniques & How to Apply Them in a Systems Development Environment. ELO 5: Relate Business Problems & Information Technology Solutions.	UNIT STANDARDS: - 114048, 9 Credits, Core, L5 - 114049, 7 Credits, Core, L5 - 115373, 6 Credits, Core, L5 - 115367, 8 Credits, Core, L6

<p>LU 3: Computer Programming Develop & Problem Solving - Computer Programming Develop & Problem Solving AND - Computer Programming Develop & Problem Solving OR - Beginning Modern C# and .NET Development [115392, 115388] - 17 or 29 Credits - Contact Hrs – 21 hrs and 24 hrs</p>	<p>ELO 3: Demonstrate an Understanding of Problem Solving Techniques & How to Apply Them in a Systems Development Environment. ELO 5: Relate Business Problems & Information Technology Solutions. ELO 6: Apply the Principles of Creating Computer Software.</p>	<p>UNIT STANDARDS: - 115365, 7 Credits, Core, L5 - 115362, 5 Credits, Core, L5 - 115388, 3 Credits, Core, L5 - 115359, 2 Credits, Core, L4 - 115392, 12 Credits, Core, L5</p>
<p>LU 4: Programming & the World Wide Web - Programming & the World Wide Web- 37 Credits - Contact Hrs 160</p>	<p>ELO 2: Understand the Role of Technology in the Business Context. ELO 3: Demonstrate an Understanding of Problem Solving Techniques & How to Apply Them in a Systems Development Environment. ELO 4: Demonstrate an Understanding of Systems Development, with all its Implications. ELO 5: Relate Business Problems & Information Technology Solutions.</p>	<p>UNIT STANDARDS: - 115368, 12 Credits, Elec, L5 - 115376, 10 Credits, Elec, L5 - 115372, 3 Credits, Elec, L5 - 115369, 5 Credits, Elec, L5 - 115391, 3 Credits, Core, L4 - 115374, 4 Credits, Elec, L5</p>

	<p>ELO 6: Apply the Principles of Creating Computer Software.</p> <p>ELO 7: Carry Out, Under Supervision, a Task of Reasonable Size to Demonstrate an Understanding of the Knowledge, Techniques & Skills Needed in One or More Area of Majoring/Specialisation.</p>	
<p>LU 5</p> <p>Gathering Techniques for Computer System Development</p> <p>Gathering Techniques_ for Computer System Development</p> <p>25 Credits Contact Hrs 120</p>	<p>ELO 2: Understand the Role of Technology in the Business Context.</p> <p>ELO 4: Demonstrate an Understanding of Systems Development, with all its Implications.</p> <p>ELO 6: Apply the Principles of Creating Computer Software.</p> <p>ELO 7: Carry Out, Under Supervision, a Task of Reasonable Size to Demonstrate an Understanding of the Knowledge, Techniques & Skills Needed in One or More Area of Majoring/Specialisation.</p>	<p>UNIT STANDARDS:</p> <ul style="list-style-type: none"> - 115358, 7 Credits, Core, L5 - 115392, 12 Credits, Core, L5 - 115384, 6 Credits, Core, L5