

# Profile

## LUNGA MALINGA

Student Number: 14002593

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# Qualifications

## DIPLOMA IN INFORMATION TECHNOLOGY (SOFTWARE DEVELOPMENT) (DISD313)

SAQA ID 74651 - NQF Level 6 - 368 Credits



Graduation date: 9 May 2017

### Analytical Techniques (ANTE110) - NQF Level 5 – Module Credit Value 10

The key purpose of this module is to provide a foundational knowledge of the basic mathematical and statistical skills needed in the study of IT.

86%

### Business Communication C (BUCOf020) - NQF Level 5 – Module Credit Value 10

The purpose of this module is to provide students with the theoretical background of communication and a range of skills needed to communicate effectively within the workplace. Students are provided with the essential skills needed to write an essay and business orientated documents.

70%

### Business Information Systems (BUIS6112) - NQF Level 6 – Module Credit Value 12

The purpose of this module is to provide students with a sound knowledge of concepts related to the components, development and types of information systems and to the strategic importance of information systems in gaining competitive advantage. This module will also develop the students' ability to apply the knowledge gained to a given scenario in the context of business information systems.

68%

### Business Practice and Entrepreneurship (BUPEf111) - NQF Level 5 – Module Credit Value 5

This module will provide the student with knowledge and understanding of entrepreneurship and enable the student to perform feasibility analysis which is required to start a business. This module will also provide the student with the skills needed to write a business plan.

63%

### End User Computing A (ENUCf010) - NQF Level 5 – Module Credit Value 20

The purpose of this module is to provide students with a basic knowledge of personal computers and how they operate. The purpose of this module is also to provide students with the knowledge to gather, process, present, distribute and manage information using the basic and intermediate features of applicable software.

62%

### End User Computing B (ENUCf020) - NQF Level 5 – Module Credit Value 12

The purpose of this module is to provide students with the opportunity to apply knowledge of database application software to planning, designing and creating a database according to a set of predetermined requirements.

83%

### Programming 1A (PROGf5111) - NQF Level 5 – Module Credit Value 20

The module provides students with an introduction to programming through the use of an object orientated programme such as Java. It provides students with the basic building blocks required for programming.

73%

### Programming 1B (PROG6112) - NQF Level 6 – Module Credit Value 15

This module builds on from Programming 1A and introduces students to advanced Java concepts, including Advanced Classes, JDBC connections, servlets and threads. Students learn to apply their knowledge and skills using an OOP language.

93%

### Programming Logic and Design (Intermediate) (PRLD6112) - NQF Level 5 – Module Credit Value 10

This module builds on the knowledge gained in programming logic and design by providing students with further knowledge and skills related to programme logic and design with an OOP approach.

74%

### Programming Logic and Design (Introduction) (PRLD5111) - NQF Level 5 – Module Credit Value 10

This module aims to establish a solid foundation of skills and knowledge required for effective programming. Students learn the various programming concepts and approaches and then proceed to study more complex concepts and elements critical to a good understanding of programming methodology.

82%

### Database (Intermediate) (DATA6212) - NQF Level 6 – Module Credit Value 12

The purpose of this module is to explore database implementation and management using SQL Server 2008™

83%

### Database (Introduction) (DATA6211) - NQF Level 6 – Module Credit Value 15

The purpose of this module is to prepare the students sufficiently to go into any small to medium business, analyse the data needs of the business and thereafter design, build and implement a database.

67%

### Human Computer Interaction (HCIN6212) - NQF Level 6 – Module Credit Value 17

The purpose of this module is to provide students with the knowledge and understanding of the interaction between users and computers. Students should be able to apply the knowledge to improve the design of interfaces, taking the Human Computer Interaction concepts such as design principles, requirements, methodologies and interaction into consideration.

77%

### IT Project Management (IPMA6212) - NQF Level 6 – Module Credit Value 15

The purpose of this module is to provide the student with the knowledge and skills required to effectively manage projects using the PMBOK as basis and incorporating all the essential elements of project management.

58%

### Programming 2A (PROG6211) - NQF Level 6 – Module Credit Value 20

The aim of this module is to provide students with an introduction to a multi-purpose object oriented programming (OOP) computer programming language. Students are taught the language fundamentals as well as the more advanced OOP development features. An in-depth understanding of predefined structures, objects and classes as well as object oriented programming techniques are covered

67%

### Programming 2B (PROG6212) - NQF Level 6 – Module Credit Value 15

The skills and knowledge gained in Programming 2A are developed further through the addition of advanced OOP, GUI and database concepts. These skills aim to provide students with the ability to develop complete software solutions for given business requirements.

81%

### System Analysis and Design (SAND6211) - NQF Level 6 – Module Credit Value 16

This modules focuses on the analysis of systems in business, with the objective to improve or enhance or evaluate such systems. The SDLC (Systems Development Life Cycle) and object-oriented principles form the basis of this module and students are taught to consider various important aspects of systems design in terms of requirements, static and dynamic modules, and user interfaces.

61%

### Web Development (Introduction) (WEDE5010) - NQF Level 5 – Module Credit Value 10

Students learn the basic web development techniques using HTML and a web development software package to create basic web sites. This modules covers web page layout, style sheets, features and functionality of web sites.

82%

### Work Integrated Learning 2 (XISD6219) - NQF Level 6 – Module Credit Value 10

This module requires the students to integrate their knowledge and skills to develop software applications that meet specific given business requirements

87%

### Advanced Databases (ADDB7311) - NQF Level 7 – Module Credit Value 15

The purpose of this module is to further advance and develop student's skills in database design and implementation within a powerful database management system such as Oracle. Students learn how to develop and maintain a database using SQL coding.

81%

### Applied Programming (APPR7312) - NQF Level 7 – Module Credit Value 15

This module will present students with the opportunity to create various solutions using their knowledge from programming, databases, web development and project management. This will develop students' ability to apply techniques and practices presented within the programming framework to produce complete applications.

72%

### Information Security (ISEC6311) - NQF Level 6 – Module Credit Value 10

The purpose of this module is to introduce students to information security, data risk management, and data protection techniques

56%

### Open Source Coding (Intermediate) (OPSC7312) - NQF Level 7 – Module Credit Value 15

The purpose of this module is to provide students further knowledge in well-designed; well coded; and business oriented open source software

development for mobile devices.

69%

### **Open Source Coding (Introduction) (OPSC7311) - NQF Level 7 – Module Credit Value 15**

*The purpose of this module is to introduce students to open source software development for mobile devices.*

69%

### **Software Quality and Testing (SQAT6312) - NQF Level 6 – Module Credit Value 15**

*This module aims to teach students the fundamental concepts of software quality and testing, using various testing approaches, methods and techniques that affect software quality.*

66%

### **Web Development (Intermediate) (WEDE6011) - NQF Level 6 – Module Credit Value 10**

*This module aims to teach students to develop database driven websites using appropriate server side scripting and DBMS.*

69%

### **Work Integrated Learning 3 (XISD7319) - NQF Level 7 – Module Credit Value 20**

*This module requires students to integrate their acquired knowledge and skills to develop software applications that meet specific given business requirements.*

82%

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