



National Certificate: Information Technology: Systems Development

NQF LEVEL 5 SAQA ID: 48872

Credits: 131



ginini consulting

GENERAL INFORMATION

DELIVERY

- Instructor led
- Delivery can be full-time or part time (modular) around the availability of learners /employees.

TRAINING DURATION

- 1 year on quarterly basis

INTAKE

- Quarterly

ADMISSION REQUIREMENTS

- Foundational skills in English and Mathematics at NQF level 4/Grade 12 or equivalent
- Ability to use a personal computer competently

EXIT LEVEL OUTCOMES

On completion of the is qualification learners are able to:

- Communicate effectively with fellow IT staff & users of information systems.
- Demonstrate an understanding of different types of computer systems and the use of computer technology in business.
- Demonstrate an understanding of problem-solving techniques, and how to apply them in a technical environment

PURPOSE OF THE QUALIFICATION

The National Certificate: Information Technology: Systems Development is designed to provide learners with an undergraduate entry into the field of Information Communication and Computer Sciences, specialising in the Software Development. Learners will have a solid understanding of computer industry concepts and the ability to work in areas of Software Development with intermediate technical complexity. Learners will learn how to create software solutions using popular software development tools, technologies, platforms, internet architectures and databases.

A qualifying learner at this level will be a well-rounded entry-level Systems Developer with a good fundamental knowledge of the Information Technology field, coupled with interpersonal and business skills preparing for later specialisation in Systems Development fields.

- Demonstrate an understanding of Computer Technology Principles.
- Demonstrate an understanding of Computer Programming Principles.
- Work effectively as a team member within a development project environment.
- Carry out, under supervision, a small size task to demonstrate an understanding of the knowledge, techniques & skills needed to understand the fundamentals of Computer Programming.

CAREER OPPORTUNITIES

- Software Developer/Internet and Web Designer
- Computer Programmer
- Database Administrator
- Software Project Manager

PRICE

- R40 000 (Vat Inc)
- Registration fee R1 500.00
- Deposit R7000.00



Further Education and Training Certificate: Information Technology: Systems Development

NQF LEVEL 5 SAQA ID: 48872

Credits: 131

QUALIFICATION OVERVIEW

MODULE	ID	UNIT STANDARD TITLE	NGF LEVEL	CREDITS
Core	115359	Demonstrate an understanding of the handling of error in a computer programming environment	Level 4	2
Core	115391	Demonstrate an understanding of the principles of the internet and the world-wide-web	Level 4	3
Core	115358	Apply information gathering techniques for computer system development	Level 5	7
Core	115392	Apply principles of creating computer software by developing a complete programme to meet given business specifications	Level 5	12
Core	115365	Apply the principles of designing computer system inputs and outputs	Level 5	7
Core	114048	Create database access for a computer application using structured query language	Level 5	9
Core	114049	Demonstrate an understanding of Computer Database Management Systems	Level 5	7
Core	115373	Demonstrate an understanding of sort and search techniques used in computer programming	Level 5	6
Core	115367	Demonstrate logical problem solving and error detection techniques	Level 5	8
Core	115362	Manage software development source files using appropriate tools	Level 5	5
Core	115388	Produce documentation for a computer program to agreed standards	Level 5	3
Core	115384	Test a computer program against a given specification	Level 5	6
Fundamental	114076	Use computer technology to research a computer topic	Level 4	3
Fundamental	116389	Write a technical report	Level 4	4
Fundamental	115431	Analyse feedback contexts and apply constructive feedback techniques	Level 5	3
Fundamental	114051	Conduct a technical practitioners meeting	Level 5	4
Fundamental	114055	Demonstrate an awareness of ethics and professionalism for the computer industry in South Africa	Level 5	3
Fundamental	114059	Demonstrate an understanding of estimating a unit of work and the implications of late delivery	Level 5	5
Fundamental	114050	Explain the principles of business and the role of information technology	Level 5	4
Fundamental	13925	Present information in a public setting	Level 5	5
Elective	115368	Apply advanced HTML and associated techniques to build a website for business applications	Level 5	12
Elective	115383	Demonstrate an understanding of the principles of designing and building an e-Commerce web site	Level 5	10
Elective	115372	Demonstrate an understanding of tools and products available for web-site development	Level 5	3
Elective	115369	Design and build a web-site using simple HTML	Level 5	5

Accreditation and Certification

Ginini Consulting (Pty) Ltd is accredited by MICT SETA for these Unit Standards with Accreditation number ACC/2018/07/0027.

Learners who are declared COMPETENT on unit standards after external moderation by the MICT SETA will receive a SETA issued Statement of Results and Ginini Consulting Certificate of Competence endorsed by MICT SETA.