NATIONAL CERTIFICATE:
INFORMATION TECHNOLOGY:
SYSTEMS DEVELOPMENT

DURATION	LEVEL	SAQA QUALIFICATION ID	DELIVERY METHOD	MINIMUM CREDITS
12 Months	NQF Level 5	48872	Classroom	131

INTRODUCTION

A qualifying learner will be able to communicate effectively with fellow IT staff & users of information technology, understanding the role of technology in a business context and to be able to address business problems with appropriate information technology solutions. Learners will be able to apply the principles of creating computer software by carrying out, under limited supervision, a task of reasonable size to demonstrate an understanding of the knowledge, techniques & skills needed in one or more area of majoring/specialisation that the qualification offers.

AUDIENCE PROFILE

The National Certificate in IT: Systems Development at NQF Level 5, is intended for unemployed youth, employed personnel or new candidates entering the workplace, requiring Systems Developement skills. This qualification has been formulated such that it reflects the workplace-based needs of the Information Technology Industry as expressed by its stakeholders. The input has been used to ensure that the qualification provides the learner with accessibility to be employed within the IT Industry.

PREREQUISITES

The learner must be competent in:
- Skills gained at the Further Education and Training band.
- Computer Studies an advantage, but not a requirement.
- Computer Literacy, Communication and Mathematical literacy at NQF level 4.

MODULES

- Introduction to computer technology
- Networking Architecture
- Computer programming
- Internet software development
- Analysis of Infrastructure
- Complaints management
- IT systems diagnostics

EXIT LEVEL OUTCOMES

Outcome 1:
Communicate effectively with fellow IT staff & users of information systems.

Outcome 2:
Understand the role of technology in the business context.

Outcome 3:
Demonstrate an understanding of problem-solving techniques, and how to apply them in a systems development environment.

Outcome 4:
Demonstrate an understanding of Systems Development, with all its implications.

Outcome 5:
Relate business problems and information technology solutions.

Outcome 6:
Apply the principles of creating computer software.