Further Education and Training Certificate: Information Technology: Systems Development NQF 4

PURPOSE

The Further Education and Training Certificate in Information Technology: Systems Development (NQF Level 4) is a foundational qualification designed to build entry-level skills in Computer Sciences and Information Technology, specifically in the field of Systems Development.

COURSE CONTENT

Module 1: Communicate Effectively - First Language ▾

- Apply comprehension skills to engage oral texts in a business environment
- Engage in sustained oral/signed communication and evaluate spoken/signed texts
- Read/view, analyse and respond to a variety of texts
- Write/present/sign for a wide range of contexts

Module 2: Communicate Effectively - Second Language ▾

- Accommodate audience and context needs in oral/signed communication
- Analyse and respond to a variety of literary texts
- Interpret and use information from texts
- Write/present/sign texts for a range of communicative contexts

Module 3: Business Numeracy ▾

- Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems
- Represent analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts
- Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues

Module 4: Work Effectively as a Team Member ▾

- Participate in groups and/or teams to recommend solutions to problems
- Describe information systems departments in business organisations
- Work as a project team member

COURSE CONTENT

Module 5: Demonstrate an Understanding of Different Types of Computer Systems ▼

- Demonstrate an understanding of creating multimedia/web-based computer applications with scripting
- Demonstrate an understanding of information systems analysis
- Demonstrate an understanding of the principles of developing software for the internet
- Describe the types of computer systems and associated hardware configurations

Module 6: Demonstrate an Understanding of Computer Technology Principles ▼

- Explain the principles of computer networks
- Explain computer architecture concepts
- Explain how data is stored on computers
- Demonstrate an understanding of testing IT systems against given specifications

Module 7: Demonstrate an Understanding of Computer Programming Principles ▼

- Describe the principles of Computer Programming
- Apply the principles of Computer Programming
- Describe the difference between programming in Object Orientated and Procedural Languages

Module 8: Demonstrate an Understanding of Problem Solving Techniques ▼

- Apply problem solving strategies
- Demonstrate an understanding of preventative maintenance, environmental and safety issues in a computer environment

Module 9: Customer Service ▼

- Comply with service levels as set out in a Contact Centre Operation
- Handle a range of customer complaints
- Resolve computer user`s problems
- Supervise customer service standards

Module 10: Design a Computer Program ▼

- Design a computer program according to given specifications

Contact your preferred Sales Executive for assistance or email us at
help@speccon.co.za to find out more.

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DELIVERY

- Duration: 12 Months
- Delivery: Classroom/Online/Blended

ENTRY LEVEL REQUIREMENTS

- Communication at NQF level 2
- Mathematical Literacy at NQF level 4

CAREER POSSIBILITIES

- Procedural Programming
- Object Oriented Programming
- Fourth Generation Language Programming
- Web site development
- Multimedia
- Electronic Commerce

ACCREDITATION

- National Certificate: Information Technology (Systems Development)
- Accreditation: MICT SETA
- SAQA ID: 78965
- NQF Level: 4
- Credits: 175

MORE INFO

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