Diploma in Information Technology (DIT)

(SAQA NQF 6 : 360 Credits : 3 Years) CHE (HEQSF) Accredited Qualification

The purpose of the Diploma in Information Technology is to provide learners with a wide spectrum of study covering the breadth of Information Technology. The diploma has been structured in such a way as to allow learners to specialize in one of three possible areas within the IT industry. The curriculum has been designed with specific outcomes in mind and is aimed at developing both generic and specific vocational skills required within each specialization area. The Diploma in Information Technology has three specializations namely: **Specialisation in Information Technology, Specialisation in Networks Engineering, Specialisation in Systems Development.**

Admission Requirements:
• A National Senior Certificate with an endorsement for admission to a Diploma and / or Degree. or • A National Certificate Vocational (NCV) at NQF Level 4 with appropriate subject combination and levels of achievements. or • Mature Age Exemption for learners above the age of 23 as set out in the Higher Education Regulations. or • Recognition of Prior Learning (RPL)

Year 1
TOTAL CREDITS - 120

The first year of this Diploma, introduces the learners to the basic IT concepts, so that they can be ready to learn more advanced topics and procedures associated with IT. The syllabus at this level introduces students to concepts in Networks; Commercial Programming, Information Systems, Web Technology and E-Commerce.

Semester 1		Semester 2	
Development Software	500	Business Communication	500
Information Systems	511	Information Systems	512
Programming	511	Programming	512
Web Technology	511	Web Technology	512
Networks	511	Networks	512
E-Commerce	511	E-Commerce	512

Year 2
TOTAL CREDITS - 120

The second year of this Diploma, moves the learners from the basic IT concepts to more advanced topics and procedures associated with the genre. The syllabus at this stage allows the learners to select a specialisation from Information Technology, Networks Engineering or Systems Development.

Specialisations
* **Specialisation in Information Technology Management**
** **Specialisation in Networks Engineering**
*** **Specialisation in Systems Development**

(C) - Compulsory - (E) - Elective

Semester 1		Semester 2	
Information Systems	621	Information Systems	622
Programming	621	Programming	622
Database Systems	621	Database Systems	622
Quantitative Techniques	600	Operating Systems	600

and

*	Semester 1		Semester 2	
*	Business Management	621	Business Management	622
	Networks	621	Networks	622
or				
**	Networks	621	Networks	622
	Internet Programming	621	Internet Programming	622
or				
***	Internet Programming	621	Internet Programming	622
	Business Management	621	Business Management	622

Year 3
TOTAL CREDITS - 120

The third year of this Diploma is designed for students to develop interactive applications and to apply the theory they were taught in previous years. The specialisations continue in tandem with the second year.

Specialisations
* **Specialisation in Information Technology Management**
** **Specialisation in Networks Engineering**
*** **Specialisation in Systems Development**

Semester 1		Semester 2	
Human Computer Interaction	700	Computer Security	700
Information Systems	731	Information Systems	732
Programming	731	Programming	732
Data Warehouse and Data Mining	700	Work Integrated Learning	600

and

*	IT Strategic Mngt	731	IT Strategic Mngt	732
or				
**	Networks	731	Networks	732
or				
***	Programming	741	Programming	742