

PROGRAMME TITLE	NQF	SAQA ID	CREDITS
DIPLOMA IN INFORMATION AND COMMUNICATIONS TECHNOLOGY	6	122510	360

DESCRIPTION

This Diploma aims to provide both theoretical and professional skills to enable a graduate to conceptualize, design, implement and test software solutions to address industry and societal challenges. The program is carefully structured to meet this purpose. We conceptualize software development comprising of 4 key elements: computer programming, project management, IT infrastructure and data management.

CAREER FIELDS

With this qualification, successful learners could pursue a career as a:

- Applications developer,
- Database administrator,
- Systems analyst,
- Cloud practitioner,
- Data scientist, IT Governance and compliance officer

PROGRAMME OUTLINE

1 st Year, 1 st Semester				1 st Year, 2 nd Semester			
Module	Module Code	Credits	NQF	Module	Module Code	Credits	NQF
Fundamentals of Computer Programming	FCPRO32500	15	5	Object-Oriented Programming	OBJPR31500	15	5
Introduction to Computer Networks	ICNET31500	15	5	Scaling Networks	SCNET31500	15	5
Business Communication	BCOM31500	15	5	Discrete Mathematics	DMTH31500	15	5
Emerging technologies for the 4th Industrial revolution	ET4IR31500	15	5	Fundamentals of Web Technologies	FWBTC31500	15	5

2 nd Year, 1 st Semester				2 nd Year, 2 nd Semester			
Module	Module Code	Credits	NQF	Module	Module Code	Credits	NQF
IT Project Management	IPMAN32600	15	6	Fundamentals of Cloud Computing	FCCOM32600	15	6
Principles of Databases 621	PDBAS32621	15	6	Principles of Databases 622	PDBAS32622	15	6
Applications Development 621	APDEV32621	15	6	Applications Development 622	APDEV32622	15	6
Business Analysis	BSANL32600	15	6	Computer and information security	CISEC32600	15	6

3 rd Year, 1 st Semester				3 rd Year, 2 nd Semester			
Module	Module Code	Credits	NQF	Module	Module Code	Credits	NQF
Applications of Data Science	ADTSC32600	15	6	Machine Learning	MCLRN32600	15	6
Cloud Computing	CCOMP32600	15	6	IT Governance and compliance	ITG&C32600	15	6
Design thinking	DTHK32600	15	6	Software Testing	STEST32600	15	6
Software Development Project	SDPRJ32600	15	6	Work integrated Learning	WIL31600	15	6



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TYPE OF PROGRAMME

The programme duration is 3 years on a full-time basis, or 4 years on a part-time basis. Tuition is face to face and is scheduled per campus. Programmes are offered during the week on a full-time and part-time basis. Part-time tuition is scheduled as per the stipulated planner.

ADMISSION REQUIREMENTS

- A Grade 12 Certificate with admission to diploma studies.
- An NQF level 4 qualification or equivalent
- Applicants who do not meet the minimum admission requirements as set out above may be eligible for admission on the basis of relevant life and/or work experience in accordance with institution policy on Recognition of Prior Learning (RPL).

LEARNER MATERIAL

Prescribed textbook lists will be provided by the academic department at your campus. Students will receive electronic versions of the study guides for this programme.

PRICING

Enquire at Berea College of Technology campus for a current programme pricelist.

ADDITIONAL COSTS

Students must make provision for additional items such as textbooks, stationery, supplementary examinations, research costs and printing of study guides etc.

EXAMINATION AUTHORITY

All Examinations are set by Berea College of Technology.

CERTIFICATION

On successful completion of the programme, the student will receive a Berea College of Technology Diploma in Information and Communications Technology.

ARTICULATION

The Diploma articulates vertically to Advanced Diploma then Postgraduate Diploma in IT and to Bachelor of Science in Information Technology. The Diploma in Information and Communications Technology programme articulates diagonally with the Diploma in IT (Communication Networks). The programme also articulates horizontally, vertically, and diagonally with a variety of IT programmes offered by institutions both locally and internationally.

FURTHER STUDIES

Please enquire at the nearest Berea College of Technology campus for the prospectus containing post-certificate studies. Admission to further your studies at a different institution remains the prerogative of each institution and its academic council.



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DISCLAIMER

The information contained in this fact sheet is accurate at the time of printing. However, factors beyond Berea College of Technology control (such as environmental, regulatory or technical changes) may cause the contents of this fact sheet or of the programme to change. In the event of any such change, Berea College of Technology will formally notify current learners. All possible measures will be taken to minimise inconvenience to learners.

Name of Learner: I....., hereby acknowledge that I understand the information stated in this document and fully comprehend the specifics explained above pertaining to this qualification.

Signature of Learner:

Name of Legal Guardian:
(if applicable)

Signature:

Name of Sales Consultant:

Signature:

Name of Head of Department:

Signature:

Date:

* Please note the original signed copy should be kept on the learner record file.

