



School of Information Technology



IIE Bachelor of Computer and Information Sciences in Application Development

SAQA ID: 97600
NQF Level 7 (360 Credits)



INTRODUCTION

The IIE Bachelor of Computer and Information Sciences in Application Development provides candidates with a thorough theoretical grounding and knowledge base in the key principles of information technology (IT), programming, mobile application development across platforms, web development, database design, troubleshooting, testing, connectivity, customisation and project management. Graduates will develop meaningful software development acumen grounded in a deep understanding of holistic application programming and development. This qualification has been designed to develop graduates' abilities to design, code, implement and manage solution-focused by producing systemic thinkers who can develop software solutions for any device or platform.

ADMISSION REQUIREMENTS

NSC: Bachelor pass with

English 30% and Math/HG 40% or Math Lit/SG 60%

NC (V): Bachelor pass with

English 50% and Math/HG 50% or Math Lit/SG 60%

SC: Endorsement with

English 33.3% and Math/HG 40% or Math Lit/SG 50%

SC(a): Bachelor pass with

Math/HG 40% or Math Lit/SG 50% (A minimum of 30% in LoLT in NSC/ SC(a) OR with a min. of 33.3% in SC)

International

An USAf Exemption Certificate is required and meeting the relevant Maths and English requirements. (Please refer to the International Admissions spreadsheet for further admissions criteria.)

A cognate Higher Certificate OR cognate 240 credit Diploma OR an Advanced Certificate OR 360 credit Diploma may satisfy the minimum admission requirements to degree studies. (If discipline not cognate at least 20% of credits must be academic literacy or numeracy related.)

Should you have any other school leaving qualification not mentioned above, please contact a student advisor.



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CURRICULUM

YEAR 1			
Semester 1		Semester 2	
Mathematical Principles for Computer Science	MAPC5112	Professional Practice	ITPP5112
Network Engineering 1A	NWEG5111	Network Engineering 1B	NWEG5122
Programming 1A	PROG5121	Programming 1B	PROG6112
Programming Logic and Design	PRLD5121	Principles of Security	PRSE6212
YEAR 2			
Semester 1		Semester 2	
Cloud Development A	CLDV6211	Advanced Databases	ADDB7311
Databases	DBAS6211	Cloud Development B	CLDV6212
Programming 2A	PROG6221	Programming 2B	PROG6212
Systems Analysis and Design	SAND6221	Software Engineering	SOEN6222
YEAR 3			
Semester 1		Semester 2	
Introduction to Research	INRS7321	Application Development Security	APDS7311
IT Project Management	IPMA6212	Open Source Coding (Intermediate)	OPSC7312
Open Source Coding (Introduction)	OPSC7311	Programming 3B	PROG7312
Programming 3A	PROG7311	Work Integrated Learning 3	XBCAD7319

Details are correct at the time of printing
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