



IIE BACHELOR OF COMPUTER AND INFORMATION SCIENCE BUSINESS SYSTEMS & APPLICATION DEVELOPMENT AND NETWORKS



3 years full-time



NQF Level 7



Min. 360 credits



SAQA ID: 88605

ABOUT THIS PROGRAMME

The design for this degree has been informed by a demand identified in industry for Information Technology specialists and to graduate solution-focused, logical and creative thinkers geared for both South African and international markets. This degree will also develop graduates' abilities to design, implement, and manage innovative, integrated IT solutions, and will nurture an understanding of the role IT plays in the information systems and applications in a business environment.

CAREER OPPORTUNITIES

Application Developers or Programmers | Software Engineers | Software developers | Web developers | Systems administrators Network engineers | Solutions architects | Information systems Analyst or managers | Data Analysts | IS Consultant | Business systems Analysts | ICT solution consultants | Project Managers | Information Systems Architects

IIE BACHELOR OF COMPUTER AND INFORMATION SCIENCES APPLICATION DEVELOPMENT AND NETWORKS

MODULES					
YEAR 1					
SEMESTER 1			SEMESTER 2		
Code	Module Name	Credits	Code	Module Name	Credits
BUSA6221	Business Analysis 2A	15	XBIT7219	Work Integrated Learning 2	15
DBAS6211	Databases	15	ADDDB7311	Advanced Databases	15
BISP6211	Business Information Systems and Processes	15	SOEN6222	Software Engineering	15
SAND6221	Systems Analysis and Design	15	ITRM7311	IT Risk Management	15
YEAR 2					
SEMESTER 3			SEMESTER 4		
Code	Module Name	Credits	Code	Module Name	Credits
PROG6221	Programming 2A (C#)	15	PROG6212	Programming 2B (C#)	15
DBAS6211	Databases	15	ADDDB7311	Advanced Databases	15
WEDE5020	Web Development (Intro)	15	SOEN6222	Software Engineering	15
SAND6221	Systems Analysis and Design	15	WEDE6021	Web Development (Intermediate) (PHP)	15
YEAR 3					
SEMESTER 5			SEMESTER 6		
Code	Module Name	Credits	Code	Module Name	Credits
USAB7311	Usability	15	APDS7311	Application Development Security	15
IPMA6212	IT Project Management	15	ADMN7312	Advanced Management of Networks	15
INRS7321	Introduction to Research	15	NEPR7312	Network Programming	15
XBCIS7319	WIL 3A - Industrial Experience Project 1	15	XBCIS7329	WIL 3B - Industrial Experience Project 2	15

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MODULES					
YEAR 1					
SEMESTER 1			SEMESTER 2		
Code	Module Name	Credits	Code	Module Name	Credits
PROG5121	Programming 1A (Java)	15	PROG6112	Programming 1B (Java)	15
PRLD5121	Programming Logic and Design	15	NWEG5122	Network Engineering 1B	15
NWEG5111	Network Engineering 1A	15	ITPP5112	IT Professional Practice	15
MAPC5112	Mathematical Principles for Computer Science	15	PRSE6212	Principles of Security	15
YEAR 2					
SEMESTER 3			SEMESTER 4		
Code	Module Name	Credits	Code	Module Name	Credits
PROG6221	Programming 2A (C#)	15	PROG6212	Programming 2B (C#)	15
DBAS6211	Databases	15	ADD7311	Advanced Databases	15
WEDE5020	Web Development (Intro)	15	SOEN6222	Software Engineering	15
SAND6221	Systems Analysis and Design	15	ITRM7311	IT Risk Management	15
YEAR 3					
SEMESTER 5			SEMESTER 6		
Code	Module Name	Credits	Code	Module Name	Credits
BUSA7311	Business Analysis 3A	15	BUSA7312	Business Analysis 3B	15
IPMA6212	IT Project Management	15	ITSG7312	IT Strategy and Governance	15
INRS7321	Introduction to Research	15	BUDM7312	Business Decision Modelling	15
XBCIS7319	WIL 3A - Industrial Experience Project 1	15	XBCIS7329	WIL 3B - Industrial Experience Project 2	15



There are prerequisites for this programme that must be met in order to progress through the qualification

MINIMUM ADMISSION REQUIREMENTS

National Senior Certificate (NSC)

Bachelor pass with English (30%) and Mathematics (40%) or Mathematical Literacy (60%)

National Certificate (Vocational) (NC(V))

Bachelor pass with English (50%) and Mathematics (50%) or Mathematical Literacy (60%)

Senior Certificate (SC)

Endorsement with English (33.3%) and Mathematics (40%) or Mathematics Literacy (50%)

Senior Certificate (Amended) (SC(a))

Bachelor pass with Math (40%) or Math Lit (50%). A minimum of 30% in LOLT in NSC/ SC(a) OR with a min. of 33.3% on SC

International

An USAf Exemption Certificate to degree studies is required and meeting the relevant Maths and English requirements or requisite English test e.g. TOEFL, IELTS.

A cognate Higher Certificate OR cognate 240 credit Diploma OR an Advanced Certificate OR 360 credit Diploma or Degree 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.

Please note, details are correct at the time of publication.
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