

Enrolment Course Structure

Course Code – IB5

Course Name – Bachelor of Information Technology (Professional Practice)

Location: BER, MTH, ODL

First Year	Unit Code	Unit Name	Unit Rules
Semester 2			
	COOPI 1001	Professional Identity (Information Technology)	
	ITECH 1400	Foundations of Programming	EX: ITECH5104
	ITECH 1502	Cybersecurity Fundamentals	EX: GPSIT1102 & ITECH1102 & ITECH5102
	MATHS 2100	Applied Mathematics 2 (<i>if enrolled in AI & Data Science major</i>)	EX: MATHS1005 or MATHS1102
		OR	
		Introductory Elective (<i>students can take an elective unless enrolled in AI & Data Science major</i>)	
Second Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ITECH 1500	Digital Literacy	EX: GPSIT1100 & ITECH1100 & ITECH5100
	ITECH 1501	User Centred Design	
	ITECH 1503	Data and Information Systems	EX: GPSIT1103 & ITECH1103 & ITECH5103
	ITECH 1504	Connected Systems	EX: GPSIT1104 & ITECH1104 & ITECH2201
Semester 2			
	COOPI 2012	Co-Operative Placement 2 (Information Technology) (30 credit points) - Internship	PR: COOPI1001 & At least 105 credit points from ITECH subject-area
	ITECH 2250	IT Project Management Techniques	PR: GPSIT1010 or ITECH1101 or ITECH1501
		Intermediate Major (ITECH2xxx)	
	ITECH2119	AI Governance and Assurance	PR: COOPI1001 OR COOPB1001 OR COOPE1001 OR COOPS1001 OR COOPI1002 OR ITECH1500
Third Year	Unit Code	Unit Name	Unit Rules
Semester 1			

COOPI 2011	Co-Operative Placement 1 (Information Technology) (30 credit points) - Internship	PR: COOPI1001 & At least 105 credit points from ITECH subject-area EX: BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014	
	Intermediate Major (ITECH2xxx)		
	Intermediate Major (ITECH2xxx)		
	Introductory Elective		
Semester 2			
ITECH 3209	Project 2	PR: ITECH2250	
	Advanced Major (ITECH3xxx)		
	Elective / Industry Certification Unit		
Fourth Year	Unit Code	Unit Name	Unit Rules
	ITECH 3208	Project 1	PR: ITECH2250 & GPSIT2012
		Advanced Major (ITECH3xxx)	
		Elective / Industry Certification Unit	

Major Core Units List

AI & Data Science

MATHS 2100 Applied Mathematics 2 (Introductory Major)
 ITECH 2306 Agile Coding
 ITECH 2500 Algorithms for Artificial Intelligence
 ITECH 2501 Business Analytics and Decision Support
 ITECH 3102 Data Visualization
 ITECH 3113 Requirements Management and DevOps
 ITECH 3500 Machine Learning

Cybersecurity

ITECH 2505 Secure Network Architecture and Design
 ITECH 2506 Cybersecurity Governance, Risk & Compliance
 ITECH 2507 Vulnerability Assessment and Penetration Testing
 ITECH 3113 Requirements Management and DevOps

ITECH 3504 Security Operations

ITECH 3505 Incident Management & Digital Forensics

Software Engineering

ITECH 2003 Web Design

ITECH 2004 Data Modelling

ITECH 2306 Agile Coding

ITECH 3001 User Experience

ITECH 3113 Requirements Management and DevOps

ITECH 3506 Software Engineering

Business Analysis

ITECH 2305 Analysing the Modern Business

ITECH 2316 Enterprise Development SAP

ITECH 2501 Business Analytics and Decision Support

ITECH 3001 User Experience

ITECH 3507 Transforming Enterprises with Digital Technologies

ITECH 3508 IT Applications for Business

Mainframe Systems

ITECH 2004 Data Modelling

ITECH 2306 Agile Coding

ITECH 2308 Contemporary Mainframes

ITECH 3105 Mainframe Systems and Services

ITECH 3113 Requirements Management and DevOps

ITECH 3108 Dynamic Web Development OR ITECH 3505 Incident Management & Digital Forensics OR ITECH 3507 Transforming Enterprises with Digital Technologies

Additional Information

This course structure applies to students commencing from 2025. Students who commenced prior to 2025 should refer to the continuing enrolments page.

Glossary

Semester: designated teaching period.

PR: Pre-requisite, a unit/s that must be completed prior to undertaking another unit.

CO: Co-requisite, a unit/s that must be completed simultaneously, or prior to, undertaking another unit.

EX: Exclusion, a unit/s that may not be taken.