

Enrolment Course Structure

Course Code – IB5

Course Name – Bachelor of Information Technology (Professional Practice)

First Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ITECH1500	Digital Literacy	EX: GPSIT1100 & ITECH1100 & ITECH5100
	ITECH1501	User Centred Design	
	ITECH1503	Data and Information Systems	EX: GPSIT1103 & ITECH1103 & ITECH5103
	ITECH1504	Connected Systems	EX: GPSIT1104 & ITECH1104 & ITECH2201
Semester 2			
	COOP11001	Professional Identity (Information Technology)	
	ITECH1400	Foundations of Programming	EX: ITECH5104
	ITECH1502	Cybersecurity Fundamentals	EX: GPSIT1102 & ITECH1102 & ITECH5102
		Introductory Elective	
Second Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	COOP12011	Co-Operative Placement 1 (Information Technology) (30 credit points)	PR: COOP11001 & At least 105 credit points from ITECH subject-area EX: BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014
	ITECH2250	IT Project Management Techniques	PR: GPSIT1010 or ITECH1101 or ITECH1501
		Intermediate Major (ITECH2xxx)	
		Intermediate Major (ITECH2xxx)	
Semester 2			
	COOP12012	Co-Operative Placement 2 (Information Technology) (30 credit points)	PR: COOP11001 & At least 105 credit points from ITECH subject-area
		Intermediate Major (ITECH2xxx)	
		Intermediate Major (ITECH2xxx)	
		Introductory Elective	

Third Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ITECH3502	Project	PR: ITECH2250 CO: ITECH3001 or ITECH3108 or ITECH3113 or ITECH3504 or ITECH3506 EX: ITECH3208 & ITECH3602
		Advanced Major (ITECH3113 or ITECH3001)	
		Elective / Industry Certification Unit	
Semester 2			
		Advanced Major (ITECH3xxx)	
		Advanced Major (ITECH3xxx)	
		Elective / Industry Certification Unit	

Elective List

AI & Data Science

MATHS2100 Applied Mathematics 2 (Introductory Major)
 ITECH2500 Algorithms for Artificial Intelligence
 ITECH2306 Agile Coding
 ITECH2501 Business Analytics and Decision Support
 ITECH2303 Data Analytics ITECH3102 Data Visualization
 ITECH3113 Requirements Management and DevOps
 ITECH3500 Machine Learning

Cybersecurity

ITECH2505 Secure Network Architecture and Design
 ITECH2506 Cybersecurity Governance, Risk & Compliance
 ITECH2507 Vulnerability Assessment and Penetration Testing
 ITECH2508 Cloud Security
 ITECH3113 Requirements Management and DevOps
 ITECH3504 Security Operations
 ITECH3505 Incident Management & Digital Forensics

Software Engineering

ITECH2003 Web Design

ITECH2509 Data Structures and Algorithms
ITECH2004 Data Modelling
ITECH2306 Agile Coding
ITECH3506 Software Engineering
ITECH3001 User Experience
ITECH3113 Requirements Management and DevOps

Business Analysis

ITECH2305 Analysing the Modern Business
ITECH2502 Business Process Modelling and Tools
ITECH2503 Business Analytics and Decision Support
ITECH2316 Enterprise Development SAP
ITECH3001 User Experience
ITECH3507 Transforming Enterprises with Digital Technologies
ITECH3508 IT Applications for Business

Mainframe Systems

ITECH2004 Data Modelling
ITECH2306 Agile Coding
ITECH2xxx any 2000 level unit from Cybersecurity Major or Business Analysis major
ITECH2308 Contemporary Mainframes
ITECH3105 Mainframe Systems and Services
ITECH3113 Requirements Management and DevOps

ITECH3108 Dynamic Web Development or ITECH3505 Incident Management & Digital Forensics or ITECH3507 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.

TEQSA have advised that, in accordance with B1.1.3 of [Higher Education Standards Framework \(Threshold Standards\) 2021](#), all Higher Education Providers are required to show their TEQSA Provider number and Provider Category on all relevant public material. ITS have ensured that our website and email signature templates have been amended to ensure compliance and have provided a knowledge article to assist you to update your signatures. Marketing are working to update the brand library and all social media accounts.

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.