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**	**CR Points**
Semester 1			
ITECH 1500	Digital Literacy	**EX:** GPSIT1100 & ITECH1100 & ITECH5100	15
ITECH 1501	User Centred Design	**EX:** ITECH1101, GPSIT1011	15
ITECH 1503	Data and Information Systems	**EX**: GPSIT1103 & ITECH1103 & ITECH5103	15
ITECH 1504	Connected Systems	**EX:** GPSIT1104 & ITECH1104 & ITECH2201	15
Semester 2			
COOPI 1001	Professional Identity (Information Technology)	**PR:** students must be enrolled in one of the following courses: IT5, IT5.ADS, IT5.BA, IT5.CS, IT5.SE, IB5, IX5 or IT5.SAD	15
ITECH 1400	Foundations of Programming	**EX:** ITECH5104	15
ITECH 1502	Cybersecurity Fundamentals	**EX:** GPSIT1102 & ITECH1102	15
MATHS 2100	Applied Mathematics 2 (*if enrolled in AI & Data Science major*) OR Introductory Elective (*students can take an elective unless enrolled in AI & Data Science major*)	**EX:** MATHS1005 or MATHS1102	15
			15

Second Year			
Unit Code	**Unit Name**	**Unit Rules**	**CR Points**
Semester 1			
COOPI 2011	Co-Operative Placement 1 (Information Technology) (30 credit points)	**PR:** COOPI1001 & At least 105 credit points **EX:** BUGEN3751, BUGEN3752, SCCOR3003, SCCOR3014, COOPC2024, COOPC2004	30
	Intermediate Major (ITECH 2xxx)		15
	Intermediate Major (ITECH 2xxx)		15
	Elective (IISS)		15

Semester 2			
COOPI 2012	Co-Operative Placement 2 (Information Technology) (30 credit points)	**PR:** COOPI1001 & At least 105 credit points **EX:** COOPC2004, COOPC2024	30
ITECH 2250	IT Project Management Techniques	**PR:** must have completed 7 Units from ITECH and ITECH1001 or COOPC1024 or COPI1001 **EX:** ITECH3213, ITECH5213	15
	Intermediate Major (ITECH 2xxx)		15
	Elective (IISS)		15

Third Year			
Unit Code	**Unit Name**	**Unit Rules**	**CR Points**
Semester 1			
ITECH 3502	Project	**PR**: ITECH2250 **CO**: ITECH3001 or ITECH3108 or ITECH3113 or ITECH3504 or ITECH3506 **EX:** ITECH3208 & ITECH3602	15
	Advanced Major (ITECH 3113 or ITECH 3001)		15
	Elective / Industry Certification Unit		15
Semester 2			
	Advanced Major (ITECH 3xxx)		15
	Advanced Major (ITECH 3xxx)		15
	Elective / Industry Certification Unit		15

Course Coordinator

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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

Students must complete a significant internship in the order of 1600 hours. This includes 60 days (or 450 hours) of paid co-op placement undertaken for COOPI2011 and COOPI2012.

This course structure applies to students commencing from 2026. Students who commenced prior to 2026 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.