

Enrolment Course Structure

Course Code – IB5

Course Name – Bachelor of Information Technology (Professional Practice)

| First Year | Unit Code | Unit Name | Unit Rules |
|-------------|-----------|--|---|
| Semester 2 | | | |
| | COOPI1001 | 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 | | | |
| | 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 | | | |
| | COOPI2012 | Co-Operative Placement 2 (Information Technology) (30 credit points) - Internship | PR: COOPI1001 & 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 | | | |
| | COOPI2011 | 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 |
| | ITECH2250 | IT Project Management Techniques | PR: GPSIT1010 or ITECH1101 or ITECH1501 |

Intermediate Major (ITECH2xxx)

Intermediate Major (ITECH2xxx)

Semester 2
Internship

Advanced Major
(ITECH3xxx)

Advanced Major (ITECH3xxx)

Advanced Major
(ITECH3xxx)

Advanced Major (ITECH3xxx)

Elective / Industry
Certification Unit

Elective / Industry Certification Unit

| Fourth Year | Unit Code | Unit Name | Unit Rules |
|-------------------|-----------|--|--|
| Internship | | | |
| | 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 | |

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.