# Enrolment Course Structure

**Course Code – IT5.ADS**

**Course Name – Bachelor of Information Technology (AI & Data Science)**

**Location: MTH**

| 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 | | 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) | | 15 |
| ITECH 1400 | Foundations of Programming | **EX:** ITECH5104 | 15 |
| ITECH 1502 | Cybersecurity Fundamentals | **EX:** GPSIT1102 & ITECH1102 & ITECH5102 | 15 |
| MATHS 2100 | Applied Mathematics 2 | **EX:**  MATHS1005 & MATHS1102 | 15 |
| **Second Year** | | | |
| **Unit Code** | **Unit Name** | **Unit Rules** | **CR Points** |
| **Semester 1** | | | |
| ITECH 2306 | Agile Coding | **PR:** ITECH2000 & ITECH2001 OR ITECH1400 **EX:** ITECH2100 | 15 |
| ITECH 2501 | Business Analytics and Decision Support | **PR:** ITECH1103 or ITECH1503 **EX**: ITECH3101 | 15 |
| | Introductory Elective | | 15 |
| | Intermediate Elective | | 15 |
| **Semester 2** | | | |
| ITECH 2250 | IT Project Management Techniques | **PR:** GPSIT1010 or ITECH1101 or ITECH1501 | 15 |
| ITECH 2500 | Algorithms for Artificial Intelligence | **PR**: ITECH1400 & MATHS2100 **EX:** ITECH2111 & ITECH6111 & ITECH7001 | 15 |
| | Introductory Elective | | 15 |

| | Intermediate Elective | | 15 |
|---|---|---|---|

## Third 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 from ITECH subject-area<br>**EX:** BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014 | 30 |
| COOPI 2012 | Co-Operative Placement 2 (Information Technology) (30 credit points) | **PR:** COOPI1001 & At least 105 credit points from ITECH subject-area | 30 |
| **Semester 2** | | | |
| ITECH 3102 | Data Visualization | **PR**: ITECH2303 | 15 |
| ITECH 3113 | Requirements Management and DevOps | | 15 |
| ITECH 3500 | Machine Learning | **PR:** ITECH2500<br>**EX:** ITECH2111 & ITECH6111 & ITECH7001 | 15 |
| ITECH 3502 | Project | **PR:** ITECH2250<br>**CO:** ITECH3001 or ITECH3108 or ITECH3113 or ITECH3504 or ITECH3506<br>**EX:** ITECH3208 & ITECH3602 | 15 |

## Additional Information

This course structure applies to students commencing from 2026. Students who commenced prior to 2026 should refer to the continuing enrolments page.

Select exactly **60** credit points from **IISS (IT) units.**

**Course Coordinator**

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## 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.