

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			
ITECH1500	Digital Literacy	EX: GPSIT1100 & ITECH1100 & ITECH5100	15
ITECH1501	User Centred Design		15
ITECH1503	Data and Information Systems	EX: GPSIT1103 & ITECH1103 & ITECH5103	15
ITECH1504	Connected Systems	EX: GPSIT1104 & ITECH1104 & ITECH2201	15
Semester 2			
COOP11001	Professional Identity (Information Technology)		15
ITECH1400	Foundations of Programming	EX: ITECH5104	15
ITECH1502	Cybersecurity Fundamentals	EX: GPSIT1102 & ITECH1102 & ITECH5102	15
MATHS2100	Applied Mathematics 2	EX: MATHS1005 & MATHS1102	15
Second Year			
Unit Code	Unit Name	Unit Rules	CR Points
Semester 1			
ITECH2250	IT Project Management Techniques	PR: GPSIT1010 or ITECH1101 or ITECH1501	15
ITECH2306	Agile Coding	PR: ITECH2000 & ITECH2001 OR ITECH1400 EX: ITECH2100	15
ITECH2501	Business Analytics and Decision Support	PR: ITECH1103 or ITECH1503 EX: ITECH3101	15
	Introductory Elective		15
Semester 2			
ITECH2303	Data Analytics	PR: ITECH1103	15
ITECH2500	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			
COOPI2011	Co-Operative Placement 1 (Information Technology) (30 credit points)	PR: COOPI1001 & At least 105 credit points from ITECH subject-area EX: BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014	30
COOPI2012	Co-Operative Placement 2 (Information Technology) (30 credit points)	PR: COOPI1001 & At least 105 credit points from ITECH subject-area	30
Semester 2			
ITECH3102	Data Visualization	PR: ITECH2303	15
ITECH3113	Requirements Management and DevOps		15
ITECH3500	Machine Learning	PR: ITECH2500 EX: ITECH2111 & ITECH6111 & ITECH7001	15
ITECH3502	Project	PR: ITECH2250 CO: ITECH3001 or ITECH3108 or ITECH3113 or ITECH3504 or ITECH3506 EX: ITECH3208 & ITECH3602	15

Additional Information

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

Select exactly **45** credit points from **FED - Federation University units**.

Course Coordinator

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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.