Enrolment Course Structure

Course Code – IT5.SAD

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

Location: MTH, BER, 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		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
	Introductory Elective		15

Second Year			
Unit Code	**Unit Name**	**Unit Rules**	**CR Points**
Semester 1			
ITECH 2003	Web Design	**PR:** ITECH110o or ITECH1501 or GPSIT1010 or GPSIT1100 or FPSIT1008 **EX**: ITECH3101	15
ITECH 2306	Agile Coding	**PR:** ITECH2000 & ITECH2001 OR ITECH1400 **EX:** ITECH2100	15
	Introductory Elective		15
	Intermediate Elective		15
Semester 2			
ITECH 2004	Data Modeling	**PR:** ITECH1103 or ITECH1503 or ITECH5103	15
ITECH 2250	IT Project Management Techniques	**PR:** GPSIT1010 or ITECH1101 or ITECH1501	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 **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 3001	User Experience	**PR**: ITECH2303 or ITECH2316	15
ITECH 3113	Requirements Management and DevOps		15
ITECH 3506	Software Engineering	**PR:** ITECH2306 **EX:** ITECH3209 & ITECH3201	15
ITECH 3502	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 2026. Students who commenced prior to 2026 should refer to the continuing enrolments page.

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