

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: ITECH1100 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

ITECH2119	AI Governance and Assurance		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
ITECH 3208	Project 1		15
ITECH 3001	User Experience	PR: ITECH2303 or ITECH2316	15
Semester 2			
ITECH 3209	Project 2		15
ITECH 3506	Software Engineering	PR: ITECH2306 EX: ITECH3209 & ITECH3201	15
COOPI 2012	Co-Operative Placement 2 (Information Technology) (30 credit points)	PR: COOPI1001 & At least 105 credit points from ITECH subject-area	30

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

Professor Leigh Achterbosch

E: l.achterbosch@federation.edu.au

P: +61 3 5327 6312

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.