

# B1390 Bachelor of IT (Artificial Intelligence and Autonomous Systems)

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**Start Date:** Semester 2 2025

Year 1 – 2025	Semester 1 Units	CP	Semester 2 Units	CP
			MAS164 Fundamentals of Mathematics	3
			ICT169 Foundations of Data Communications	3
			ICT170 Foundations of Computer Systems	3
			ICT100 Transition to IT	3
	<b>Total</b>		<b>Total</b>	12
Year 2 - 2026	Semester 1 Units	CP	Semester 2 Units	CP
	ICT111 Cybersecurity Fundamentals	3	ICT298 IT Certification Pathways <b>OR</b> MSP200 Building Enterprise Skills	3
	ICT159 Foundations of Programming	3	ICT285 Databases	3
	BSC203 Introduction to ICT Research Methods	3	ICT167 Principles of Computer Science	3
	MAS162 Discrete Mathematics and Logic	3	ICT206 Intelligent Systems	3
	<b>Total</b>	12	<b>Total</b>	12
Year 3 - 2027	Semester 1 Units	CP	Semester 2 Units	CP
	ICT201 Information Technology Project Management	3	ICT203 Artificial Intelligence and Intelligent Agents	3
	ICT202 Machine Learning	3	Year 2 Unit (Elective)	3
	Year 2 Unit (Elective)	3	ICT305 Data Visualisation and Simulation	3
	ICT283 Data Structures and Abstractions	3	ICT299 Service Management Experience <b>OR</b> MSP201 Real-World Learning*	3
	<b>Total</b>	12	<b>Total</b>	12
Year 4 - 2028	Semester 1 Units	CP	Semester 2 Units	CP
	ICT284 Systems Analysis and Design	3		
	ICT302 IT Professional Practice Project	3		
	ICT304 AI System Design	3		
	Year 2 Unit (Elective)	3		
	<b>Total</b>	12		

**TOTAL CREDIT POINTS 72**

## Notes

Please read the academic chair's course notes and guide here: <https://www.it.murdoch.edu.au/studyplans/>

Please note the preclusion requirements to skip MAS164 as noted in the handbook:  
<https://handbook.murdoch.edu.au/units/20/MAS164>

\*Note: MSP201 is not a self-enrolled unit and requires an approved application to grant enrolment. Students are required to organise their real-world learning experience prior to application for enrolment. See more info about the unit, eligibility, and application deadlines in the Handbook:

<https://v3.pebblepad.com.au/spa/#/public/89jpzrpZ9j9jctmdcxqHpjrrM>

Please see the following page for pre designed double major study plans:

Intsec CS: <https://handbook.murdoch.edu.au/course-visualiser/saved-plan?id=dc018e1a-b59d-4e0a-a48a-fa7a39e53628>

Intsec AI: <https://handbook.murdoch.edu.au/course-visualiser/saved-plan?id=fc41fb34-2ab5-4b48-9d6c-b80470d9c098>

BIS and CS: <https://handbook.murdoch.edu.au/course-visualiser/saved-plan?id=9906d572-1371-44b2-949c-6f732310ffc7>

CS GT: <https://handbook.murdoch.edu.au/course-visualiser/saved-plan?id=4e4fee97-922f-4613-ae20-d34b2d84b09f>

CS AI: <https://handbook.murdoch.edu.au/course-visualiser/saved-plan?id=69d0fa3a-3aa4-40a6-8016-59492e613908>

CS Cyber: <https://handbook.murdoch.edu.au/course-visualiser/saved-plan?id=1b002688-963b-40ea-8845-e2575bb91979>

AI Data Science: <https://handbook.murdoch.edu.au/course-visualiser/saved-plan?id=55b312cc-8bfa-4fbf-af5e-6c1e847c30ff>

Cyber and AI: <https://handbook.murdoch.edu.au/course-visualiser/saved-plan?id=060d5677-8182-439e-8b8f-7495aa58d9da>

**Please note:** This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the [Handbook](#). Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at DD/MM/YY.