

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

Academic Chair: Mr Shri Rai

Start Date: Semester 1 2025

Year 1 – 2025	Semester 1 Units	CP	Semester 2 Units	CP
	ICT100 Transition to IT	3	ICT167 Principles of Computer Science	3
	ICT159 Foundations of Programming	3	ICT169 Foundations of Data Communications	3
	Year 1 unit (General Elective)	3	ICT170 Foundations of Computer Systems	3
	MAS164 Fundamentals of Mathematics (if required for MAS162, see MAS162 unit pre-requisites) <b>OR</b> MAS162 Foundations of Discrete Mathematics	3	MAS162 Foundations of Discrete Mathematics (if not completed in S1) <b>OR</b> ICT111 Cybersecurity Fundamentals	3
	<b>Total</b>	12	<b>Total</b>	12
Year 2 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	BSC203 Introduction to ICT Research Methods	3	ICT111 Cybersecurity Fundamentals (if not completed earlier) <b>OR</b> Year 2 Unit (General Elective)	3
	ICT202 Machine Learning	3	Year 2 unit (General Elective)	3
	ICT284 Systems Analysis and Design	3	ICT203 Artificial Intelligence and Intelligent Agents	3
	Year 2 unit (General Elective)	3	ICT285 Databases	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	Year 3 unit (General Elective)	3
	ICT304 AI System Design	3	ICT302 IT Professional Practice Project	3
	ICT299 Service Management Experience <b>OR</b> MSP201 Real World Learning	3	ICT305 Data Visualisation and Simulation	3
	Year 3 unit (General Elective)	3	ICT298 IT Certification Pathways <b>OR</b> MSP200 Building Enterprise Skills	3
	<b>Total</b>	12	<b>Total</b>	12

**TOTAL CREDIT POINTS 72**

Semester 1 notes	Semester 2 notes
ICT145 Python Programming for Everyone recommended as a year 1 general elective	<p>ICT356 and MSP201 are not a self-enrolled units and require approval to grant enrolment. See handbook.</p> <p>Recommended year2/3 electives:</p> <ul style="list-style-type: none"> <li>• MAS225 - Optimisation and Graph Theory</li> <li>• ICT286 - Web and Mobile Computing</li> <li>• ICT356 Structured Workplace Learning Placement</li> </ul>

**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 29/01/2025.