

BH008 Bachelor of Advanced Computer Science [Honours] Artificial Intelligence (MJD-ARIDM)

4 Year Course Study Plan – Commencing Semester 2, 2021

Year 1				
Semester 2, 2021	CITS1402 Relational Database Management Systems <i>Prereq: Maths Applications ATAR or MATH1720</i>	CITS1001* Software Engineering with Java <i>Prereq: Maths Applications ATAR or MATH1720</i>	CITS1003 Introduction to Cybersecurity	ELECTIVE
Semester 1, 2022	CITS1401* Computational Thinking with Python <i>Prereq: Maths Applications ATAR or MATH1720</i>	PHIL1001 Ethics for the Digital Age: An Introduction to Moral Philosophy	ELECTIVE	ELECTIVE
Year 2				
Semester 2, 2022	CITS2002 Systems Programming <i>Prereq: Maths Methods ATAR or MATH1721</i>	CITS2211 Discrete Structures <i>Prereq: Maths Applications ATAR or MATH1721</i> <i>Coreq: at least one L1 unit in computing or maths</i>	PHIL2001 Bioethics <i>Prereq: PHIL1001</i> Note: PHIL2001 will be replaced by PHIL2008	ELECTIVE
Semester 1, 2023	CITS3403 Agile Web Development <i>Prereq: CITS2002</i>	CITS3002 Computer Networks <i>Prereq: CITS2002</i>	CITS2200 Data Structures and Algorithms <i>Prereq: CITS1001 and MATH1721</i>	ELECTIVE
Year 3				
Semester 2, 2023	CITS3005 Knowledge Representation <i>Prereq: CITS3001</i>	CITS3200 Professional Computing <i>Prereq: 12 points from CITS1401; CIST2002 or CITS2200</i>	CITS3007 Secure Coding <i>Prereq: 12 points of programming-based units*</i>	CITS3001 Algorithms, Agents and Artificial Intelligence <i>Prereq: CITS2200</i>
Semester 1, 2024	CITS5508 Machine Learning <i>Prereq: 12 points of programming-based units*</i>	CITS4402 Computer Vision <i>APS: CITS2401 and MATH1011</i>	ELECTIVE	GROUP A OPTION ~ or ~ ELECTIVE
Year 4				
Semester 2, 2024	CITS5017 Deep Learning <i>Prereq: CITS5508</i>	CITS4404 Artificial Intelligence and Adaptive Systems <i>Prereq: 12 points of programming-based units*</i>	CITS4010* Computer Science Honours Research Project Part 1	
Semester 1, 2025	CITS4012 Natural Language Processing <i>Prereq: 12 points of programming-based units*</i>	CITS4403 Computational Modelling <i>Prereq: 6 points of programming-based units*</i>	CITS4011* Computer Science Honours Research Project Part 2 <i>Prereq: CITS4010</i>	

* unit is available in Semester 1 and Semester 2; *programming-based units are: CITS1001 Software Engineering with Java; CITS1401 Computational Thinking with Python; CITS2002 Systems Programming and CITS2200 Data Structures and Algorithms

Note: Electives may be used to complete a minor, noting that any four units completed outside of the double major meets University broadening requirements.

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Optional Units: Students take units to the value of 6 points from this group

SCIE2100 Social Responsibility in Action (S1)

PHIL3003 Moral Theory (S2)

Prereq: PHIL2001

The Rules for the Bachelor of Advanced Computer Science [Honours] can be found at: [TBC when handbook goes live](#)

All units have a value of six points unless otherwise stated.

Information about unit availability should be checked at the beginning of each semester and can be found at: timetable.uwa.edu.au or [Handbooks](#).

Further Help!

Refer to the UniStar website for your step-by-step guide on planning your enrolment: uwa.edu.au/unistart. If you need to discuss your study plan further, please contact the EMS Student Service and Engagement Office: enquiries-ems@uwa.edu.au