

BH008 Bachelor of Advanced Computer Science [Honours]

Computing and Data Science (MJD-COMDS)

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>	STA1400* Statistics for Science <i>Prereq: Maths Applications ATAR or MATH1720</i>	CITS1003 Introduction to Cybersecurity
Semester 1, 2022	CITS1401* Computational Thinking with Python <i>Prereq: Maths Applications ATAR or MATH1720</i>	MATH1722 Mathematics Foundations: Specialist <i>Prereq: Maths Applications ATAR or MATH1721</i> Note: Recommended Elective	PHIL1001 Ethics for the Digital Age: An Introduction to Moral Philosophy	ELECTIVE
Year 2				
Semester 2, 2022	ELECTIVE	CITS2402 Introduction to Data Science <i>Prereq: CITS1401</i>	STAT2402 Analysis of Observations <i>APS: STAT1400 or STAT1520</i>	CITS2002 Systems Programming <i>Prereq: Maths Methods ATAR or MATH1721</i>
Semester 1, 2023	CITS2200 Data Structures and Algorithms <i>Prereq: CITS1001 and MATH1721</i>	ELECTIVE	STAT2401 Analysis of Experiments <i>APS: STAT1400 or STAT1520</i>	ELECTIVE
Year 3				
Semester 2, 2023	CITS3200 Professional Computing <i>Prereq: 12 points from CITS1401; CIST2002 or CITS2200</i>	STAT3064 Statistical Learning <i>Prereq: (STAT2401 or STAT2062) and (MATH1720 or MATH1012)</i>	ELECTIVE	CITS3001 Algorithms, Agents and Artificial Intelligence <i>Prereq: CITS2200</i>
Semester 1, 2024	CITS3401 Data Warehousing <i>Prereq: CITS1402</i>	CITS3403 Agile Web Development <i>Prereq: CIST1001 or CIST1401 or CITS2002</i>	CITS3002 Computer Networks <i>Prereq: CITS2002</i>	STAT3401 Advanced Data Analysis <i>Prereq: (STAT2401 and STAT2402) or STAT3405</i>
Year 4				
Semester 2, 2024	CITS5503 Cloud Computing <i>Prereq: 12 points of programming-based units*</i>	STAT4066 Bayesian Computing and Statistics <i>Prereq: STAT1400 or STAT2401 or STAT2402</i> <i>APS: (STAT2401 and STAT2402) or STAT2062</i>	CITS4010* Computer Science Honours Research Project Part 1	
Semester 1, 2025	CITS5508 Machine Learning <i>Prereq: 12 points of programming-based units*</i>	STAT4062 Statistical Modelling and Inference <i>Prereq: STAT3061 or STAT3401</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; CITS2200 Data Structures and Algorithms; and CITS2402 Introduction to Data Science

Note: Students may choose to use electives to complete a Business suite of units comprising: MGMT1135 Organisational Behaviour (S1, S2); LAWS1111 Law, Conflict and Change (S1); MGMT2311 Organisational Learning and Innovation (S2); and BUSN5003 Data Storytelling (S2) or other minor, noting that any four units completed outside the double major meets broadening requirements.

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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 UniStart 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