BH008 Bachelor of Advanced Computer Science [Honours]
Computing and Data Science (MJD-COMDS)
4 Year Course Study Plan – Commencing Semester 1, 2021

Year 1				
Semester 1, 2021	**CITS1401*** Computational Thinking with Python *Prereq: Maths Applications ATAR or MATH1720*	**ELECTIVE**	**PHIL1001** Ethics for the Digital Age: An Introduction to Moral Philosophy	**STA1400*** Statistics for Science *Prereq: Maths Applications ATAR or MATH1720*
Semester 2, 2021	**CITS1402** Relational Database Management Systems *Prereq: Maths Applications ATAR or MATH1720*	**CITS1001*** Software Engineering with Java *Prereq: Maths Applications ATAR or MATH1720*	**CITS1003** Introduction to Cybersecurity	**MATH1722** Mathematics Foundations: Specialist *Prereq: Maths Applications ATAR or MATH1721* **Note: Recommended Elective**
Year 2				
Semester 1, 2022	**CITS2200** Data Structures and Algorithms *Prereq: CITS1001 and MATH1721*	**ELECTIVE**	**STAT2401** Analysis of Experiments *APS: STAT1400 or STAT1520*	**ELECTIVE**
Semester 2, 2022	**ELECTIVE**	**CITS2002** Systems Programming *Prereq: Maths Methods ATAR or MATH1721*	**STAT2402** Analysis of Observations *APS: STAT1400 or STAT1520*	**CITS2402** Introduction to Data Science *Prereq: CITS1401*
Year 3				
Semester 1, 2023	**CITS3401** Data Warehousing *Prereq: CITS1402*	**CITS3403** Agile Web Development *Prereq: CIST1001 or CIST1401 or CITS2002*	**CITS3002** Computer Networks *Prereq: CITS2002*	**STAT3401** Advanced Data Analysis *Prereq: (STAT2401 and STAT2402) or STAT3405*
Semester 2, 2023	**CITS3200** Professional Computing *Prereq: 12 points from CITS1401; CIST2002; CITS2200 or CIST2402*	**CITS3001** Algorithms, Agents and Artificial Intelligence *Prereq: CITS2200*	**STAT3064** Statistical Learning *Prereq: (STAT2401 or STAT2062) and (MATH1720 or MATH1012). APS: CITS2401*	**ELECTIVE**
Year 4				
Semester 1, 2024	**CITS5508** Machine Learning *Prereq: 12 points of programming-based units*◆	**STAT4062** Statistical Modelling and Inference *Prereq: STAT3061 or STAT3401*	**CITS4010*** Computer Science Honours Research Project Part 1	
Semester 2, 2024	**CITS5503** Cloud Computing *Prereq: 12 points of programming-based units*◆	**STAT4066** Bayesian Computing and Statistics *Prereq: STAT1400 or STAT2401 or STAT2402 APS: (STAT2401 and STAT2402) or STAT2062*	**CITS4011*** Computer Science Honours Research Project Part 2 *Prereq: CITS4010*	

* *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