

BH008 Bachelor of Advanced Computer Science [Honours] International Cybersecurity (MJD-ICYDM)

4 Year Course Study Plan – Commencing Semester 2, 2021

| Year 1 | | | | |
|------------------|--|---|--|--|
| Semester 2, 2021 | CITS1402 Relational Database Management Systems <small>Prereq: Maths Applications ATAR or MATH1720</small> | CITS1003 Introduction to Cybersecurity | POLS1102 Understanding Global Politics | ELECTIVE |
| Semester 1, 2022 | CITS1001* Software Engineering with Java <small>Prereq: Maths Applications ATAR or MATH1720</small> | CITS2003 Open Source Tools and Scripting | PHIL1001 Ethics for the Digital Age: An Introduction to Moral Philosophy | POLS2214 Foundations of Foreign Policy <small>Prereq: POLS1102</small> |
| Year 2 | | | | |
| Semester 2, 2022 | CITS2002 Systems Programming <small>Prereq: Maths Methods ATAR or MATH1721</small> | CITS2211 Discrete Structures <small>Prereq: Maths Applications ATAR or MATH1721 Coreq: at least one L1 unit in computing or maths</small> | CITS3001 Algorithms, Agents and Artificial Intelligence <small>Prereq: CITS2200</small> | ELECTIVE |
| Semester 1, 2023 | ELECTIVE | Any L3 Political Science (POLS) Unit ⁺ | ELECTIVE | CITS2200 Data Structures and Algorithms <small>Prereq: CITS1001 and MATH1721</small> |
| Year 3 | | | | |
| Semester 2, 2023 | CITS3006 Penetration Testing <small>Prereq: 12 points of programming-based units*</small> | CITS3007 Secure Coding <small>Prereq: 12 points of programming-based units*</small> | CITS3200 Professional Computing <small>Prereq: 12 points from CIST2002 or CITS2200</small> | ELECTIVE |
| Semester 1, 2024 | CITS3002 Computer Networks <small>Prereq: CITS2002</small> | ELECTIVE | CITS4401 Software Requirements and Design | CITS3403 Agile Web Development <small>Prereq: CIST1001 or CITS2002</small> |
| Year 4 | | | | |
| Semester 2, 2024 | CITS4419 Mobile and Wireless Computing <small>APS: CIST1001 and CITS2002 and CITS3002</small> | GROUP B OPTION | CITS4010* Computer Science Honours Research Project Part 1 | |
| Semester 1, 2025 | GROUP A OPTION | CITS4403 Computational Modelling <small>Prereq: 6 points of programming-based units*</small> | CITS4011* Computer Science Honours Research Project Part 2 <small>Prereq: CITS4010</small> | |

* 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: 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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| +Level 3 Political Science (POLS) units are: | |
|--|--|
| POLS3302 South Asia and the Middle East: Foreign Relations and Politics (S1) | POLS3324 Islam and World Politics (NA 2021) |
| POLS3304 Policy and Diplomacy in Practice (S2) | POLS3334 The International Politics of Africa (NA 2021) |
| POLS3308 Politics in Greater China (S1) | POLS3335 Social Movements and the Politics of Change (NA 2021) |
| POLS3313 Australian Foreign Policy (NA 2021) | POLS3342 Global Environmental Politics (S2) |

| Option Group A Students take units to the value of 6 points from this group | Option Group B Students take units to the value of 6 points from this group |
|--|---|
| CITS5501 Software Testing and Quality Assurance (S1) <small>Prereq: 12 points of programming-based units*</small> | CITS5016 CIISP Certification (NSTP) |
| POLS5641 International Security (NSTP: Feb-Apr) | CITS5503 Cloud Computing (S2) <small>Prereq: 12 points of programming-based units*</small> |
| | PHYS4021 Frontiers in Quantum Computation (S2) <small>Prereq: MATH1012 or equivalent or higher</small> |

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