|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year 1** | | | | |
| *Semester 1,*  *2022* | **CITS1401**  **Computational Thinking with Python**  *MATH1720 or Math Applications ATAR* | **CITS1003**  Introduction to Cybersecurity | **PHIL1001**  Ethics for the Digital Age:  An Introduction to Moral Philosophy | **ELECTIVE** |
| *Semester 2,*  *2022* | **CITS2211**  Discrete Structures  *Prereq: Maths Applications ATAR or MATH1721 Coreq: at least one L1 unit in computing or maths* | **CITS1402**  Relational Database Management Systems  *Prereq: Maths Applications ATAR or MATH1720* | **ELECTIVE** | **POLS1102**  Understanding Global Politics |
| **Year 2** | | | | |
| *Semester 1,*  *2023* | **CITS2200**  Data Structures and Algorithms  *Prereq: CITS1001 and MATH1721* | **CITS2003**  Open Source Tools and Scripting | **POLS2214**  Foundations of Foreign Policy  *Prereq: POLS1102* | **CITS2005**  **Object Oriented Programming** |
| *Semester 2,*  *2023* | **ELECTIVE** | **CITS2002**  Systems Programming  *Prereq: Maths Methods ATAR or MATH1721* | **ELECTIVE** | **CITS3001**  Algorithms, Agents and Artificial Intelligence  *Prereq: CITS2200* |
| **Year 3** | | | | |
| *Semester 1,*  *2024* | **CITS3002**  Computer Networks  *Prereq: CITS2002* | **CITS3403**  Agile Web Development  *Prereq: CIST1001 or CITS2002* | **CITS4401**  Software Requirements and Design | **GROUP A OPTION**  **Political Science (POLS) Unit** |
| *Semester 2,*  *2024* | **CITS3006**  Penetration Testing  *Prereq: 12 points of programming-based units* | **CITS3200**  Professional Computing  *Prereq: 12 points from CIST2002 or CITS2200* | **CITS3007**  Secure Coding  *Prereq: 12 points of programming-based units* | **ELECTIVE** |
| **Year 4** | | | | |
| *Semester 1,*  *2025* | **CITS4403**  Computational Modelling  *Prereq: 6 points of programming-based units* | **GROUP B OPTION** | **CITS4010**  Computer Science Honours Research Project Part 1 | |
| *Semester 2,*  *2025* | **GROUP C OPTION** | **CITS4419**  Mobile and Wireless Computing  *APS: CITS1001 and CITS2002 and CITS3002* | **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: Electives may be used to complete a minor, noting that any four units completed outside of the double major meets University broadening requirements.**

|  |  |
| --- | --- |
| **Group A: Take units(s) to the value of 6 pts:** | |
| **POLS3204** The Politics of Gender (S2) | **POLS3324** Islam and World Politics (S1) |
| **POLS3304** Policy and Diplomacy in Practice (S2) | **POLS3334** The International Politics of Africa (NA 2022) |
| **POLS3308** Politics in Greater China (S1) | **POLS3335** Social Movements and the Politics of Change (S1) |
| **POLS3231** Politics of the Mass Media (NA) | **POLS3342** Global Environmental Politics (NA 2022) |

|  |  |
| --- | --- |
| **Option Group B**  Students take units to the value of 6 points from this group | **Option Group C**  Students take units to the value of 6 points from this group |
| **CITS5501** Software Testing and Quality Assurance (S1)  *Prereq: 12 points of programming-based units* | **CITS5016** CIISP Certification (NA 2022) |
| **POLS5641** International Security (NSTP: Feb-Apr) | **CITS5503** Cloud Computing (S2)  *Prereq: 12 points of programming-based units* |
|  | **PHYS4021** Frontiers in Quantum Computation (S1)  *Prereq: MATH1012 or equivalent or higher* |

The Rules for the Bachelor of Advanced Computer Science [Honours] can be found at: <https://handbooks.uwa.edu.au/coursedetails?id=cbh8#rules>   
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](http://www.timetable.uwa.edu.au/) or [Handbooks.](https://handbooks.uwa.edu.au/)

**Further Help!**

Refer to the UniStart website for your step-by-step guide on planning your enrolment: [uwa.edu.au/unistart.](https://www.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](mailto:enquiries-ems@uwa.edu.au)