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| **Year 1** | | | | |
| *Semester 1,*  *2022* | **CITS1401**  Computational Thinking with Python  *Prereq: Maths Applications ATAR or MATH1720* | **CITS1003**  Introduction to Cybersecurity | **PHIL1001**  Ethics for the Digital Age:  An Introduction to Moral Philosophy | **ELECTIVE** |
| *Semester 2,*  *2022* | **CITS1402**  Relational Database Management Systems  *Prereq: Maths Applications ATAR or MATH1720* | **ELECTIVE** | **MATH1722**  Mathematics Foundations: Specialist  *Prereq: Maths Applications ATAR or MATH1721*  **Note: Recommended Elective** | **STAT1400**  Statistics for Science  *Prereq: Maths Applications ATAR or MATH1720* |
| **Year 2** | | | | |
| *Semester 1,*  *2023* | **CITS2200**  Data Structures and Algorithms  *Prereq: CITS1001 and MATH1721* | **CITS2005**  **Object Oriented Programming**  *MATH1721 or ATAR Math Methods and CITS1401* | **STAT2401**  Analysis of Experiments  *APS: STAT1400 or STAT1520* | **ELECTIVE** |
| *Semester 2,*  *2023* | **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,*  *2024* | **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 STAT2062* |
| *Semester 2,*  *2024* | **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 and STAT2062) or STAT2062* | **ELECTIVE** |
| **Year 4** | | | | |
| *Semester 1,*  *2025* | **CITS5508**  Machine Learning  *Prereq: 12 points of programming-based units* | **STAT4062**  Statistical Modelling and Inference  *Prereq: STAT3062 or STAT3401 and STAT3064* | **CITS4010**  Computer Science Honours Research Project Part 1 | |
| *Semester 2,*  *2025* | **CITS5503**  Cloud Computing  *Prereq: 12 points of programming-based units* | **STAT4066**  Bayesian Computing and Statistics  *Prereq: 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.**

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)