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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* | **CITS1001**Software Engineering with Java*Prereq: Maths Applications ATAR or MATH1720* | **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* | **ELECTIVE** | **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