|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \*\* Offered in Both Semesters | | | | BSc component of combined degree (minimum 12 units) |
| *Year 1*  *Semester 1*  *2022* | BE Unit | BE Unit | **PHIL1001**  Ethics for the Digital Age: An Intro to Moral Philosophy | **CITS1401\*\* (see Note 1)** Computational Thinking with Python |
| *Year 1*  *Semester 2*  *2022* | BE Unit | BE Unit | BE Unit | **CITS1402 (see Note 1)**  Relational Database Management Systems |
| *Year 2*  *Semester 1*  *2023* | BE Unit | BE Unit | BE Unit | **STAT2401**  Analysis of Experiments |
| *Year 2*  *Semester 2*  *2023* | BE Unit | BE Unit | **CITS2402**  Introduction to Data Science  ***Prereq: CITS1401 or CITS2401*** | **STAT2402**  Analysis of Observations |
| *Year 3*  *Semester 1*  *2024* | BE Unit | BE Unit | BE Unit | **CITS3401**  Data Warehousing  ***Prereq: CITS1402*** |
| *Year 3*  *Semester 2*  *2024* | BE Unit | BE Unit | BE Unit | **STAT3064**  Statistical Learning  ***Prereq: STAT2401 & STAT2402*** |
| *Year 4*  *Semester 1*  *2025* | BE Unit | BE Unit | BE Unit | **CITS3403**  Agile Web Development  ***Prereq: CITS1401*** |
| *Year 4*  *Semester 2*  *2025* | BE Unit | BE Unit | BE Unit | **CITS3200**  Professional Computing  ***Prereq: 84 pts incl CITS1401 & CITS2402*** |
| *Year 5*  *Semester 1*  *2026* | BE Unit | BE Unit | BE Unit | **BSc Elective (see Note 2)**  (in place of STAT1400) |
| *Year 5*  *Semester 2*  *2026* | BE Unit | BE Unit | BE Unit (MJD-EAUTO) OR FREE ELECTIVE (in place of CITS2401) | **STAT3405**  Intro to Bayesian Computing  ***Prereq: STAT2401 & STAT2402*** |

Additionally, students must complete GENG1000, GENG2000 & GENG3000 Engineering Practice Skills (0 pts = 3 x 1week modules) and GENG5010 Professional Eng. Portfolio (0 pts)

# Special Note 1

## BE(Hons), ALL majors EXCEPT Automation and Robotics Engineering, and BSc Data Science Major:

Students in this course who undertake CITS1401 AND CITS2402 in satisfaction of the requirements of the Bachelor of Science degree are not required to complete the unit CITS2401 to fulfill the requirements of the Bachelor of Engineering (Honours). In this case, students can replace CITS2401 with an elective unit or another unit required by their course of study. The exception to this is the BE Automation and Robotics Engineering major: students do not take CITS2401 in this major.

# Special Note 2

## BE(Hons) ALL Majors and BSc Data Science Major:

Students in this course who undertake MATH1012 in satisfaction of the requirements of the Bachelor of Engineering (Honours) degree are not required to complete the unit STAT1400 to fulfill the requirements of the Bachelor of Science. In this case, students can replace STAT1400 with an elective unit or another unit required by their course of study (for ALL BE majors).

# Further Help

If you need to discuss your study plan further, please contact the [EMS Student Office](https://www.uwa.edu.au/students/my-course/study-areas/ems-students)