|  |
| --- |
| **Year 1** |
| *Students must complete* ***GENG1000 Engineering Practice 1*** *within their first year (0 points = 1 week module)* |
| Semester 2,2025 | **MATH1011\*\***Multivariable Calculus***Prereq: Math Specialist ATAR or MATH1722*** | **ENSC1004**Engineering Materials***Prereq: (Chem ATAR or CHEM1003) &******(Maths Methods ATAR or MATH1721) & (Phys ATAR or PHYS1030)*** | **CITS1401\*\***Computational Thinking with Python***Prereq: Math Applications ATAR or MATH1720*** | **GENG1010\*\***Introduction to Engineering |
| Semester 1,2026 | **MATH1012\*\***Mathematical Theory & Methods***Prereq: Math Specialist ATAR or MATH1722*** | **PHYS1001\*\***Physics for Scientists & Engineers***Prereq: (Physics ATAR or PHYS1030) & (Math Methods ATAR or MATH1721);******Coreq: MATH1722*** | **IMED1001**Form and Function***Prereq: enrolment in MJD-EBMEG major*** | Broadening |
| **Year 2** |
| Students must complete **GENG2000 Engineering Practice 2** within their second year (0 points = 1 week module) |
| Semester 2,2026 | **GENG1101**Engineering Drawings | **ENSC2004\*\***Engineering Mechanics***Prereq: (Phys ATAR or PHYS1030) &*** ***(Math Specialist ATAR or MATH1722)******Coreq: MATH1011******APS: PHYS1001 and MATH1011*** | **PHYL2002**Physiology of Cells***(Prereq: IMED1001)*** | Broadening |
| Semester 1,2027 | **ENSC2003\*\***Eng. Electrical Fundamentals***Prereq: (Phys ATAR or PHYS1030) & MATH1011*** ***Coreq: MATH1012*** | **MECH2002**Engineering Materials 2***Prereq: ENSC1004*** | **CITS2200**Data Structures and Algorithms ***Prereq: CITS1401 &*** ***(Math Methods ATAR or MATH1721)*** | **GENG2003**Fluid Mechanics***Prereq: MATH1011 & MATH1012 & PHYS1001*** |
| **Year 3** |
| Students must complete **GENG3000 Engineering Practice** 3 within their third year (0 points = 1 week module) |
| Semester 2,2027 | **ELEC3020**Embedded Systems***Prereq: GENG2000 & (CITS1001 or CITS1401 or CITS2005 or CITS2401)*** | **BMEG3001**Engineering and the Human Body***Prereq: IMED1001 & PHYS1001 & GENG2000*** ***& PHYL2002*** | **MECH3424**Measurement and Instrumentation***Prereq: GENG2000 & (CITS1401 or CITS2401) & ENSC2004 & MATH1012*** | Broadening |
| Semester 1,2028 | **ELEC3021**Circuits and Electronics**Prereq: ENSC2003 & MATH1011** | **BMEG3002**Biomaterials***Prereq: MECH2002*** | **GENG2004**Solid Mechanics***Prereq: ENSC2004 & MATH1011 & MATH1012*** | **#BMEG5551**Biomed Eng Design Project 1***Prereq: GENG3000 & BMEG3001*** |
| **Year 4** |
| Students must undertake practical work experience during the course to satisfy **GENG5010 Professional Engineering Portfolio** (0 points) – *see notes below**Students must achieve a WAM of at least 50 in order to progress to the fourth (Honours) year – see BE(Hons) rules* |
| Semester 2,2028 | **#GENG4411\*\***Engineering Research Project Part 1***Prereq: 144 points incl. 24 points Level 3 units in major & GENG3000*** | **#BMEG4001**Biomedical Instrumentation***Prereq: MECH3424*** | **#BMEG5001**Advanced Topics in Biomedical Engineering***Prereq: 120pts incl. BMEG3001*** | **#BMEG5552**Biomedical Eng Design Project 2***Prereq: BMEG5551*** |
| Semester 1,2029 | **#GENG4412\*\***Engineering Research Project Part 2***Prereq: GENG4411******(taken in semester after GENG4411)*** | **#BMEG4003**Biomechanics***Prereq: 96 points incl. ENSC2004*** | **#GENG5505\*\***Project Management***Prereq: 120pts*** | Broadening |
| Students must pass all credit bearing and 0-pt units to be eligible to graduate |

**\*\*** Offered in both semesters

#All Level 4/5 engineering units also have a WAM prerequisite. See notes on next page.

* The Rules for the BH011 Bachelor of Engineering (Honours) can be [**found here**](https://handbooks.uwa.edu.au/coursedetails?code=BH011#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 in the [**Handbook**](https://handbooks.uwa.edu.au/).
* All students must complete GENG1000, GENG2000 & GENG3000 Engineering Practice Skills modules (0 points = 3 x 1-week modules). Check Handbook for prerequisites.
* All students must complete the Professional Engineering Practicum and GENG5010 Professional Eng. Portfolio (0 points). Details are available on the *LMS Organisation EMS Student Experience.*
* Students must maintain a WAM of at least 50 in the BE(Hons). This is required to enrol in Level 4/5 BE(Hons) units.

**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)**.**