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| **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)**.**