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| **Year 1** | | | | |
| *Students must complete* ***GENG1000 Engineering Practice 1*** *within their first year (0 points = 1 week module)* | | | | |
| Sem 1 | **MATH1011\*\***  Multivariable Calculus  ***Prereq: Math Specialist ATAR or MATH1722*** | **PHYS1001\*\***  Physics for Scientists & Engineers  ***Prereq: (Physics ATAR or PHYS1030) & (Math Methods ATAR or MATH1721)***  ***Coreq: MATH1722*** | **GENG1010\*\***  Introduction to Engineering | **CHEM1001\*\***  Chemistry—Properties and Energetics  ***Prereq: Chemistry ATAR or CHEM1003*** |
| Sem 2 | **MATH1012\*\***  Mathematical Theory & Methods  ***Prereq: Math Specialist ATAR or MATH1722*** | **CITS2401** \*\*  Computer Analysis & Visualisation  ***Prereq: Math Methods ATAR or MATH1721*** | **ENSC2004\*\***  Engineering Mechanics  ***Prereq: (Phys ATAR or PHYS1030) &***  ***(Math Specialist ATAR or MATH1722)***  ***Coreq: MATH1011***  ***APS: PHYS1001 and MATH1011*** | **GENG1014**  Earth Systems Engineering |
| **Year 2** | | | | |
| Students must complete **GENG2000 Engineering Practice 2** within their second year (0 points = 1 week module) | | | | |
| Sem 1 | **ENVE2013**  Coastal Engineering Processes  ***Prereq: MATH1012***  ***APS: GENG1014*** | **GEOG2201\*\***  Geographical Information  Systems  ***Prereq: 36 pts*** | **ENVE2607**  Modelling in Environmental  Engineering  ***Prereq: GENG1014***  ***APS: MATH1011 & CITS2401*** | Broadening |
| Sem 2 | **GENG2012**  Data Collection and Analysis  ***Prereq: CITS2401 & MATH1012*** | **ENVE2606**  Grand Challenges in  Environmental Engineering  ***Prereq: GENG1010 & GENG1014 & GENG1000*** | **GENG2010**  Principles of Hydraulics  ***Prereq: MATH1011 & MATH1012*** | **ENVT2251**  Hydrology and Water Resource Management  ***Prereq: GENG1014*** |
| **Year 3** | | | | |
| Students must complete **GENG3000 Engineering Practice** 3 within their third year (0 points = 1 week module) | | | | |
| Sem 1 | **ENVE3402**  Engineering Hydrology  ***Prereq: GENG1014*** | **ENVE3403**  Flow and Turbulence in Environmental Systems  ***Prereq: GENG2010 or GENG2003*** | **ENVE3405**  Ecological Engineering & Nature-based Solutions  ***Prereq: 96 pts*** | ***(Replaces ENVE3609)***  **ENVT4421**  Fundamentals of Environmental Management |
| Sem 2 | ***(Replaces ENVE3608)***  **ENVT3362**  Environmental Dynamics | ***(Design project starts in Sem 2 in 2024)***  **ENVE5551**  Environmental Engineering  Design Solutions Part 1  ***Prereq: ENVE3609 & GENG3000*** | **ENVE4401**  Contaminant Fate and Transport  ***Prereq: 96 pts incl. (GENG2010 or GENG2003)*** | Broadening |
| **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* | | | | |
| Sem 1 | **GENG4411**  Engineering Research Project Pt 1  ***Prereq: 144 pts incl. 24 pts Level 3 units in major & GENG3000*** | **ENVE5552**  Environmental Engineering  Design Solutions Part 2  ***Prereq: ENVE5551*** | **GENG5501**  Coastal and Offshore Engineering  ***Prereq: 120 pts incl. (GENG2010 or GENG2003)*** | Broadening |
| Sem 2 | **GENG4412**  Engineering Research Project Pt 2  ***Prereq: GENG4411***  ***(taken in semester after GENG4411)*** | **ENVE5502**  Water & Wastewater Engineering  ***Prereq: 120 pts incl. (GENG2010 or GENG2003)*** | ***(Replaces ENVE4601)***  **GEOS5501**  Groundwater Flow Modelling | Broadening |
| Students must pass all credit bearing and 0-pt units to be eligible to graduate | | | | |

\*\* UnitsOffered in both semesters

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.*

**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)**.**