

Course progression map for 2022 commencing students – NOVEMBER ADMISSION

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course requirements' section of the [Handbook](#). Please note that the map is subject to updates. Update version: 1 September 2022

E3001 Bachelor of Engineering (Honours) Common First Year

For engineering specialisations: Aerospace, Chemical, Civil, Electrical and computer systems, Environmental, Materials, Mechanical, Robotics and mechatronics and Software.

No foundation units are required if you have completed VCE Units 3 & 4 Physics >30 and VCE Units 3 and 4 Specialist Maths >30					
1	November	ENG1011 Engineering methods	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	Elective [^]
	Semester 1 Feb	ENG1012 Engineering design	ENG1013 Engineering smart systems	First Year engineering technical elective [*]	Elective [^]

You must enrol in Foundation mathematics (ENG1090) if you have VCE Units 3 & 4 Specialist Maths <30 or you have not completed VCE Specialist Maths					
1	November	ENG1011 Engineering methods	ENG1090 Foundation mathematics*	ENG1013 Engineering smart systems	Elective [^]
	Semester 1 Feb	ENG1012 Engineering design	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	First Year engineering technical elective [*]

You must enrol in Foundation physics (PHS1001) if you have VCE Units 3 & 4 Physics <30 or you have not completed VCE Physics					
1	November	ENG1011 Engineering methods	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	Elective [^]
	Semester 1 Feb	ENG1012 Engineering design	ENG1013 Engineering smart systems	PHS1001 Foundation physics* <i>Required: ENG1090 *</i>	First Year engineering technical elective [*]

NOTE
<p>* Foundation units You must enrol in the foundation units ENG1090 and/or PHS1001 if you have not completed the Australian VCE (Units 3 & 4) or equivalent Specialist mathematics and/or Physics with the required study score:</p> <p>Electives [^]Elective units may be chosen either from the First Year engineering technical electives list or from other faculties within the University, provided you meet the unit requisites.</p> <p>For units on offer in October, please refer here.</p> <p>*Biomedical engineering: If you are planning to specialise in Biomedical engineering, you must take BMS1021 as the First Year engineering technical elective in Semester 1.</p> <p>Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.</p> <p><i>This course map guides you in commencing your Year 1 study in November. For Years 2, 3 and 4 study, please refer to the primary commencing course map for 2022.</i></p>