

Course progression map for 2022 commencing students – JULY 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](#). The map is subject to updates. Update version: 3 May 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.

If no foundation units are required:

Year	Period	Units			
1	Sem 2 July	ENG1011 Engineering methods	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	First Year engineering technical elective+ <i>Or swap semester with the Elective unit</i>
	Sem 1 Feb	ENG1012 Engineering design	ENG1013 Engineering smart systems	Elective [^]	Elective [^]

If you need to enrol in foundation physics (PHS1001) and foundation maths (ENG1090)

1	Sem 2 July	ENG1012 Engineering design	ENG1013 Engineering smart systems	MTH1020 Analysis of change * <i>This unit is in lieu of ENG1090 (which has only Sem 1 and Oct offerings)</i>	First Year engineering technical elective+
	Sem 1 Feb	ENG1011 Engineering methods	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	PHS1001 Foundation physics * <i>Corequisite: ENG1090 *</i>

If you need to enrol in foundation maths (ENG1090):

1	Sem 2 July	ENG1012 Engineering design	ENG1013 Engineering smart systems	MTH1020 Analysis of change * <i>This unit is in lieu of ENG1090 (which has only Sem 1 and Oct offerings)</i>	First Year engineering technical elective+ <i>Or swap semester with the Elective unit</i>
	Sem 1 Feb	ENG1011 Engineering methods	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	Elective [^]

If you need to enrol in foundation physics (PHS1001):

1	Sem 2 July	ENG1012 Engineering design	ENG1013 Engineering smart systems	Elective [^]	First Year engineering technical elective+ <i>Or swap semester with the Elective unit</i>
	Sem 1 Feb	ENG1011 Engineering methods	ENG1005 Engineering Mathematics <i>Required: ENG1090 *</i>	ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	PHS1001 Foundation physics * <i>Required: ENG1090 *</i>

Note:

- *Foundation units: You 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](#).
- **+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.
- Your First Year engineering technical elective must be selected from this [list](#).
- [^]Elective units may be chosen either from the [First Year engineering technical elective list](#) or from other faculties within the University, provided you meet the unit requisites.
- Care should be taken to ensure units are maintained in sequence.
- For enrolment advice, please speak with a course adviser in your specialisation. Refer to the [Course Advisers webpage](#) if you are in Clayton.