

Course progression map for 2021 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](#). Please note that the map is subject to updates. Update version: 13 July 2021

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	ENG1001 Engineering design: lighter, faster, stronger	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1060 Computing for engineers <i>Corequisite: ENG1005</i>
	Sem 1 Feb	ENG1002 Engineering design: cleaner, safer, smarter	ENG1003 Engineering mobile apps	Elective

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

1	Sem 2 July	ENG1003 Engineering mobile apps	MTH1020 Analysis of change * <i>This unit is in lieu of ENG1090 (which has only Sem 1 and Oct offerings)</i>	ENG1002 Engineering design: cleaner, safer, smarter
	Sem 1 Feb	ENG1001 Engineering design: lighter, faster, stronger	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1060 Computing for engineers <i>Corequisite: ENG1005</i>

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

1	Sem 2 July	ENG1001 Engineering design: lighter, faster, stronger	ENG1003 Engineering mobile apps	MTH1020 Analysis of change * <i>This unit is in lieu of ENG1090 (which has only Sem 1 and Oct offerings)</i>
	Sem 1 Feb	ENG1002 Engineering design: cleaner, safer, smarter	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1060 Computing for engineers <i>Corequisite: ENG1005</i>

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

1	Sem 2 July	ENG1002 Engineering design: cleaner, safer, smarter	ENG1003 Engineering mobile apps	ENG1005 Engineering Mathematics <i>Required: ENG1090 *</i>
	Sem 1 Feb	ENG1001 Engineering design: lighter, faster, stronger	PHS1001 Foundation physics * <i>Required: ENG1090 *</i>	ENG1060 Computing for engineers <i>Corequisite: ENG1005</i>

Notes:

- * 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 a First Year elective in Semester 1.
- 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.

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