MONASH University

Course progression map for 2021 commencing students – OCTOBER 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: 15 October 2021

E3011 Bachelor of Engineering (Honours) and Bachelor of Information Technology

Common first year

If no foundation units are required

Year	Period	Units				
1	October	ENG1001 Engineering design: lighter, faster, stronger	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1060 Computing for engineers *Corequisite: ENG1005*	ENG1003 Engineering mobile apps	
	Sem 1 Feb	ENG1002 Engineering design: Cleaner, safer, smarter	First Year engineering technical elective	FIT1047 Introduction to computer systems, network and security	FIT1045 Algorithms and programming fundamentals in python or FIT1051 Programming fundamentals in java	

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

1	October	ENG1001 Engineering design: Lighter, faster, stronger	ENG1090 Foundation mathematics*	ENG1003 Engineering mobile apps	FIT1047 Introduction to computer systems, network and security	
	Sem 1 Feb	PHS1001 Foundation physics* *Corequisite: ENG1090 **	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1014 Engineering numerical analysis *Corequisite: ENG1005*	FIT1045 Algorithms and programming fundamentals in python or FIT1051 Programming fundamentals in java	ENG1002 Engineering design: Cleaner, safer, smarter *Overload unit*

If you need to enrol in foundation maths (ENG1090)

1	October	ENG1001 Engineering design: Lighter, faster, stronger	ENG1090 Foundation mathematics*	ENG1003 Engineering mobile apps	FIT1047 Introduction to computer systems, network and security
	Sem 1 Feb	ENG1002 Engineering design: Cleaner, safer, smarter	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1014 Engineering numerical analysis *Corequisite: ENG1005*	FIT1045 Algorithms and programming fundamentals in python or FIT1051 Programming fundamentals in java

If you need to enrol in foundation physics (PHS1001)

1	October	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1060 Computing for engineers *Corequisite: ENG1005*	ENG1003 Engineering mobile apps	FIT1047 Introduction to computer systems, network and security
	Sem 1 Feb	ENG1001 Engineering design: Lighter, faster, stronger	ENG1002 Engineering design: Cleaner, safer, smarter	PHS1001 Foundation physics* *Required: ENG1090 **	FIT1045 Algorithms and programming fundamentals in python or FIT1051 Programming fundamentals in java

NOTE

*** 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.

OVERLOAD

If you are not required to complete both foundation units PHS1001 and ENG1090, you will have 6 credit points of First Year engineering elective to complete. If you are required to complete both foundation units, you will have no credit points available for elective. Instead, the total credit points needed for the double degree will increase by 6 credit points, therefore requiring an overload by one unit in your Year 1 of study.

This course map guides you in commencing your Year 1 study in October. ***For Years 2, 3 and 4 study, please refer to the July map for your course.***