

Course progression map for 2021 commencing students – MID-YEAR ADMISSION [For Direct-entry]

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: 12 December 2022

E3001 Bachelor of Engineering (Honours)

Specialisation – Software Engineering

Year	Sem	Units				
1	2	Common first year				
	1					
2	2	FIT2085 Introduction to computer science for engineers	FIT2099 Object-oriented design and implementation	FIT2101 Software engineering process and management	FIT2107 Software quality and testing	
	1	FIT3170 Software engineering practice (12 points)	MAT1830 Discrete mathematics for computer science	FIT3077 Software engineering: Architecture and design	FIT2004 Algorithms and data structures	
3	2		FIT2100 Operating systems	FIT3171 Databases	Level 1, 2 or 3 elective or engineering technical elective	
	1	FIT4002 Software engineering industry experience studio project (12 points)	FIT3159 Computer architecture	Level 1, 2 or 3 elective or engineering technical elective	Level 3 or 4 software engineering technical elective	Malaysia students enrol in ENG0002 Industrial training (0 credit points)
4	2		FIT4003 Software engineering research project Replace with FIT4701 from 2023	Level 3, 4 or 5 software engineering technical elective	Level 3, 4 or 5 software engineering technical elective	Clayton students enrol in ENG0001 Continuous Professional Development (0 credit points)
	1	FIT4165 Computer networks	Replace with FIT4702 from 2023	Level 3, 4 or 5 software engineering technical elective	Level 4 or 5 software engineering technical elective	

Notes:

- [MINORS AND ELECTIVES LIST](#) is located on the Faculty's current student course information webpage
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available within the Software engineering specialisation.
- Depending on placement location when you undertake FIT4042, you will have to either overload a semester, undertake a summer unit or extend an additional semester in order to complete your course.
- You are required to complete either the [Continuous Professional Development](#) (if you studying in Australia) or [Industrial training](#) (if you are studying in Malaysia) in order to graduate.
- For enrolment advice, please speak with a course adviser in your specialisation. Refer to the [Course Advisers webpage](#) if you are in Clayton.

Course progression map for 2021 commencing students – **MID-YEAR ADMISSION [For Monash College pathway]**

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E3001 Bachelor of Engineering (Honours)

Specialisation – Software Engineering

Year	Sem	Units			
1	2	Common first year			
	1				
2	2	FIT2085 Introduction to computer science for engineers	FIT2099 Object-oriented design and implementation	FIT2101 Software engineering process and management	FIT2107 Software quality and testing
	1	FIT3170 Software engineering practice (12 points)	MAT1830 Discrete mathematics for computer science	FIT3077 Software engineering: Architecture and design	FIT2004 Algorithms and data structures
3	2		FIT2100 Operating systems	FIT3171 Databases	Level 1, 2 or 3 elective or engineering technical elective
	1	FIT4002 Software engineering industry experience studio project (12 points)	FIT3159 Computer architecture	Level 1, 2 or 3 elective or engineering technical elective	Level 3 or 4 software engineering technical elective
4	2		FIT4003 Software engineering research project Replace with FIT4701 from 2023	Level 3 or 4 software engineering technical elective	Level 3, 4 or 5 software engineering technical elective
	1	FIT4165 Computer networks	Replace with FIT4702 from 2023	Level 3, 4 or 5 software engineering technical elective	Level 4 or 5 software engineering technical elective

Malaysia students enrol in [ENG0002](#) Industrial training (0 credit points)

Clayton students enrol in [ENG0001](#) Continuous Professional Development (0 credit points)

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