

# Course progression map for 2021 commencing students

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: 18 November 2020

## E3012 Bachelor of Engineering (Honours) and Bachelor of Design

### Level one engineering enrolment patterns

If no foundation units are required:					
Year	Sem	Units			
1	1	<a href="#">ENG1003</a> Engineering mobile apps	<a href="#">COL1001</a> Collaborative design studio 1 (12 cps)	<a href="#">AHT1101</a> Introduction to the history and theory of art, design and architecture	<a href="#">OHS1000</a> Intro to art & design health and safety (0 cps)
	2	<a href="#">ENG1002</a> Engineering design: cleaner, safer, smarter	<a href="#">IDN1002</a> Industrial design studio 2 (12 cps)	<a href="#">TDN1002</a> Design and the avant-garde	
2	1	<a href="#">DWG1201</a> Drawing 1	<a href="#">TDN2001</a> Sociologies of design	<a href="#">IDN2001</a> Industrial design studio 3 (12 cps)	
	2	<a href="#">ENG1001</a> Engineering design: lighter, faster, stronger	<a href="#">ENG1005</a> Engineering mathematics	<a href="#">ENG1060</a> Computing for engineers	<a href="#">Level one engineering unit</a>
Tip: You can swap the semesters for ENG1003 and the Engineering elective or swap ENG1002 with ENG1001.					
If you need to enrol in foundation physics and maths*:					
1	1	<a href="#">ENG1090</a> Foundation mathematics	<a href="#">COL1001</a> Collaborative design studio 1 (12 cps)	<a href="#">AHT1101</a> Introduction to the history and theory of art, design and architecture	<a href="#">OHS1000</a> Intro to art & design health and safety (0 cps)
	2	<a href="#">ENG1002</a> Engineering design: cleaner, safer, smarter	<a href="#">IDN1002</a> Industrial design studio 2 (12 cps)	<a href="#">TDN1002</a> Design and the avant-garde	
2	1	<a href="#">DWG1201</a> Drawing 1	<a href="#">TDN2001</a> Sociologies of design	<a href="#">IDN2001</a> Industrial design studio 3 (12 cps)	
	2	<a href="#">ENG1001</a> Engineering design: lighter, faster, stronger	<a href="#">ENG1005</a> Engineering mathematics	<a href="#">ENG1060</a> Computing for engineers	<a href="#">ENG1003</a> Engineering mobile apps
If you require two foundation units, you will need to take the remaining core unit PHS1001 Foundation physics in semester one of year two as an overload, and increase the total credit points needed for the double by 6 points You cannot swap the semesters of any of these units.					
If you need to enrol in foundation maths:					
1	1	<a href="#">ENG1090</a> Foundation mathematics	<a href="#">COL1001</a> Collaborative design studio 1 (12 cps)	<a href="#">AHT1101</a> Introduction to the history and theory of art, design and architecture	<a href="#">OHS1000</a> Intro to art & design health and safety (0 cps)
	2	<a href="#">ENG1002</a> Engineering design: cleaner, safer, smarter	<a href="#">IDN1002</a> Industrial design studio 2 (12 cps)	<a href="#">TDN1002</a> Design and the avant-garde	
2	1	<a href="#">DWG1201</a> Drawing 1	<a href="#">TDN2001</a> Sociologies of design	<a href="#">IDN2001</a> Industrial design studio 3 (12 cps)	
	2	<a href="#">ENG1001</a> Engineering design: lighter, faster, stronger	<a href="#">ENG1005</a> Engineering mathematics	<a href="#">ENG1060</a> Computing for engineers	<a href="#">ENG1003</a> Engineering mobile apps
Tip: You can swap ENG1002 with ENG1001.					
If you need to enrol in foundation physics:					
1	1	<a href="#">PHS1001</a> Foundation physics	<a href="#">COL1001</a> Collaborative design studio 1 (12 cps)	<a href="#">AHT1101</a> Introduction to the history and theory of art, design and architecture	<a href="#">OHS1000</a> Intro to art & design health and safety (0 cps)
	2	<a href="#">ENG1002</a> Engineering design: cleaner, safer, smarter	<a href="#">IDN1002</a> Industrial design studio 2 (12 cps)	<a href="#">TDN1002</a> Design and the avant-garde	
2	1	<a href="#">DWG1201</a> Drawing 1	<a href="#">TDN2001</a> Sociologies of design	<a href="#">IDN2001</a> Industrial design studio 3 (12 cps)	
	2	<a href="#">ENG1001</a> Engineering design: lighter, faster, stronger	<a href="#">ENG1005</a> Engineering mathematics	<a href="#">ENG1060</a> Computing for engineers	<a href="#">ENG1003</a> Engineering mobile apps
Tip: You can swap ENG1002 with ENG1001.					

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## E3012 Bachelor of Engineering (Honours) and Bachelor of Design

### Specialisations - Mechanical engineering and Industrial design

YEAR 1 Semester 1	<a href="#">Level one engineering unit</a>	<a href="#">COL1001</a> Collaborative design studio 1	<a href="#">AHT1101</a> Introduction to the history and theory of art, design and architecture	<a href="#">OHS1000</a> Introduction to art and design health and safety (0 pts)	
YEAR 1 Semester 2	<a href="#">Level one engineering unit</a>	<a href="#">IDN1002</a> Industrial design studio 2	<a href="#">TDN1002</a> Design and the avant-garde		
YEAR 2 Semester 1	<a href="#">DWG1201</a> Drawing 1	<a href="#">TDN2001</a> Sociologies of design	<a href="#">IDN2001</a> Industrial design studio 3	If two foundation units are required then overload is required for <a href="#">PHS1001</a> Foundation physics	
YEAR 2 Semester 2	<a href="#">Level one engineering unit</a>	<a href="#">Level one engineering unit</a>	<a href="#">Level one engineering unit</a>		<a href="#">Level one engineering unit</a>
YEAR 3 Semester 1	<a href="#">MEC2402</a> Design methods	<a href="#">MEC2403</a> Mechanics of materials	<a href="#">MEC2401</a> Dynamics 1	<a href="#">TDN3001</a> Research for design	
YEAR 3 Semester 2	<a href="#">MEC2405</a> Thermodynamics	<a href="#">ENG2005</a> Advanced engineering mathematics	<a href="#">MEC2404</a> Mechanics of fluids	<a href="#">MEC3416</a> Machine design	
YEAR 4 Semester 1	<a href="#">MEC3455</a> Solid Mechanics	<a href="#">MEC3456</a> Engineering computational analysis	<a href="#">IDN3001</a> Industrial design studio 4		
YEAR 4 Semester 2	<a href="#">MEC3457</a> Systems and control	<a href="#">TDN3002</a> Design strategy and professional practice	<a href="#">IDN3002</a> Industrial design studio 5		
YEAR 5 Semester 1	<a href="#">MEC3451</a> Fluid Mechanics 2	<a href="#">MEC4408</a> Thermodynamics and heat transfer	<a href="#">MEC4401</a> Final year project	<a href="#">MEC4404</a> Professional Practice	<a href="#">ENG0001</a> Continuous Professional Development (0 credit points)
YEAR 5 Semester 2	<a href="#">MEC3453</a> Dynamics 2	<a href="#">MEC4426</a> Computer-aided design	<a href="#">MEC4402</a> Final year project – Thesis	<a href="#">MEC4407</a> Design project	

Mechanical engineering
Industrial design

#### Note:

- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the [CPD webpage](#).
- For enrolment advice, please refer to the [Course advisers webpage](#).