

Course progression map for 2022 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: 22 September 2021

E3012 Bachelor of Engineering (Honours) and Bachelor of Design

Engineering Common First Year

Year	Sem			Units]
1	Sem 1	ENG1013 Engineering smart systems	COL1001 Collaborative of		AHT1101 Introduction to the history and theory of art, design and architecture	OHS1000 Intro to art & design health and safety (0 cps)
•	Sem 2	ENG1012 Engineering design	IDN1002 Industrial design	n studio 2 (12 cps)	TDN1002 Design and the avant- garde	
2	Sem 1 Feb	DWG1201 Drawing 1	TDN2001 Sociologies of design	IDN2001 Industrial desig	,	
	Sem 2	ENG1011 Engineering methods	ENG1005 Engineering mathematics Required: ENG1090 *	ENG1014 Engineering numerical analysis Corequisite: ENG1005	First Year engineering technical elective	
Tip: Yo	ou can swap	the semesters for ENG1003 a	nd the Engineering elective or s			1
lf you	need to en	rol in foundation physics and	maths*:			
1	Sem 1 Feb	ENG1090 Foundation mathematics *	COL1001 Collaborative design studio 1 (12 cps)		AHT1101 Introduction to the history and theory of art, design and architecture	OHS1000 Intro to art & design health and safety (0 cps)
	Sem 2 July	ENG1012 Engineering design	IDN1002 Industrial design studio 2 (12 cps)		TDN1002 Design and the avant- garde	
2	Sem 1 Feb	DWG1201 Drawing 1	TDN2001 Sociologies of design	IDN2001 Industrial desig		PHS1001 Foundation physics *
		ENG1011 Engineering	ENG1005 Engineering	ENG1014 Engineering	ENG1013 Engineering smart	
If you		methods foundation units, you will need	mathematics Required: ENG1090 *	numerical analysis Corequisite: ENG1005 PHS1001 Foundation physics in	systems n semester one of year two as an of any of these units.]
lf you overlo	require two food, and incr	methods foundation units, you will need	mathematics Required: ENG1090 * to take the remaining core unit I	numerical analysis Corequisite: ENG1005 PHS1001 Foundation physics in You cannot swap the semesters	n semester one of year two as an	& design health and
lf you overlo	require two fload, and incr	methods foundation units, you will need to rease the total credit points need to red in foundation maths: ENG1090 Foundation mathematics * ENG1012 Engineering	mathematics Required: ENG1090 * to take the remaining core unit I ded for the double by 6 points \(\)	numerical analysis Corequisite: ENG1005 PHS1001 Foundation physics in four cannot swap the semesters lesign studio 1 (12 cps)	AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-	
lf you overlo	July require two following ad, and increment to entire Sem 1	methods foundation units, you will need to rease the total credit points need to rol in foundation maths: ENG1090 Foundation mathematics *	mathematics Required: ENG1090 * to take the remaining core unit I ded for the double by 6 points \(\) COL1001 Collaborative collaborative collaborative collaborative collaborative CDN1002 Industrial designation of the collaboration of the collaborative collaboration of the colla	numerical analysis Corequisite: ENG1005 PHS1001 Foundation physics in four cannot swap the semesters lesign studio 1 (12 cps)	AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde	& design health and
lf you overlo	July require two foad, and incr need to ent Sem 1 Feb Sem 2 July Sem 1	methods foundation units, you will need to rease the total credit points need to redit points	mathematics Required: ENG1090 * to take the remaining core unit I ded for the double by 6 points \(\) COL 1001 Collaborative	numerical analysis Corequisite: ENG1005 PHS1001 Foundation physics in You cannot swap the semesters lesign studio 1 (12 cps) In studio 2 (12 cps)	AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde	& design health and
If you overloom If you 1	July require two foad, and incr need to ent Sem 1 Feb Sem 2 July Sem 1 Feb Sem 2 July	methods foundation units, you will need to rease the total credit points need to redit points	mathematics Required: ENG1090 * to take the remaining core unit I ded for the double by 6 points \(\) COL1001 Collaborative c	numerical analysis Corequisite: ENG1005 PHS1001 Foundation physics in fou cannot swap the semesters design studio 1 (12 cps) IDN2001 Industrial designumerical analysis	AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde n studio 3 (12 cps) ENG1013 Engineering smart	& design health and
If you overlood	July require two finad, and incred to entire two finad, and incred two finad, and incredit two	methods foundation units, you will need to rease the total credit points need to rease the total credit poin	mathematics Required: ENG1090 * to take the remaining core unit I ded for the double by 6 points \(\) COL1001 Collaborative c	numerical analysis Corequisite: ENG1005 PHS1001 Foundation physics in You cannot swap the semesters design studio 1 (12 cps) IDN2001 Industrial design studio 2 (12 cps) ENG1014 Engineering numerical analysis Corequisite: ENG1005	AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde n studio 3 (12 cps) ENG1013 Engineering smart systems	& design health and safety (0 cps)
If you overlood	July require two finad, and incred to entire two finad, and incred two finad, and incredit two	methods foundation units, you will need to rease the total credit points need to rease the total credit poin	mathematics Required: ENG1090 * to take the remaining core unit I ded for the double by 6 points \(\) COL1001 Collaborative c	numerical analysis Corequisite: ENG1005 2HS1001 Foundation physics in fou cannot swap the semesters design studio 1 (12 cps) In studio 2 (12 cps) IDN2001 Industrial design studio 14 Engineering numerical analysis Corequisite: ENG1005 design studio 1 (12 cps)	AHT1101 Introduction to the history and the avant-garde n studio 3 (12 cps) ENG1013 Engineering smart systems AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde n studio 3 (12 cps) AHT1101 Introduction to the history and theory of art, design and architecture	& design health and safety (0 cps)
overlcuster of the state of the	July require two finad, and incremed to end Sem 1 Feb Sem 2 July Sem 1 Feb Sem 2 July Sem 1 Feb Du can swap need to end	methods foundation units, you will need to rease the total credit points and to rease the total credit points need to rease the total credit point	mathematics Required: ENG1090 * to take the remaining core unit I ded for the double by 6 points \(\) COL 1001 Collaborative c	numerical analysis Corequisite: ENG1005 PHS1001 Foundation physics in fou cannot swap the semesters lesign studio 1 (12 cps) IDN2001 Industrial design studio 2 (12 cps) ENG1014 Engineering numerical analysis Corequisite: ENG1005 lesign studio 1 (12 cps) n studio 2 (12 cps)	AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde n studio 3 (12 cps) ENG1013 Engineering smart systems AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde	& design health and safety (0 cps) OHS1000 Intro to art & design health and
overlcuster of the state of the	July require two food, and increased to end Sem 1 Feb Sem 2 July Sem 1 Feb Sem 2 Sem 2 Sem 3	methods foundation units, you will need to rease the total credit points need to rease the total credit poin	mathematics Required: ENG1090 * to take the remaining core unit I ded for the double by 6 points \(\) COL1001 Collaborative c	numerical analysis Corequisite: ENG1005 2HS1001 Foundation physics in fou cannot swap the semesters design studio 1 (12 cps) In studio 2 (12 cps) IDN2001 Industrial design studio 14 Engineering numerical analysis Corequisite: ENG1005 design studio 1 (12 cps)	AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde n studio 3 (12 cps) ENG1013 Engineering smart systems AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde	safety (0 cps) OHS1000 Intro to art & design health and

For enrolment advice, please speak with a course adviser in your specialisation. Refer to the Course Advisers webpage if you are in Clayton.

^{*} 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



Course progression map for 2022 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: 22 September 2021

E3012 Bachelor of Engineering (Honours) and Bachelor of Design

Engineering specialisations - Mechanical engineering Design specialisation - Industrial design

Year 1 Semester 1 February Year 1 Semester 2 July	Engineering Common First Year units	COL1001 Collaborative design studio 1 IDN1002 Industrial design studio 2		AHT1101 Introduction to the history and theory of art, design and architecture TDN1002 Design and the avant-garde	OHS1000 Introduction to art and design health and safety (0 pts)
Year 2 Semester 1 February	DWG1201 Drawing 1	TDN2001 Sociologies of design IDN2001 Industrial design studio 3		If two foundation units are required then overload is required for PHS1001 Foundation physics	
Year 2 Semester 2 July					
Year 3 Semester 1 February	MEC2402 Design methods	MEC2403 Mechanics of materials	MEC2401 Dynamics 1	TDN3001 Research for design	
Year 3 Semester 2	MEC2405 Thermodynamics	ENG2005 Advanced engineering mathematics	MEC2404 Mechanics of fluids	MEC3416 Machine design	
Year 4 Semester 1 February	MEC3455 Solid Mechanics	MEC3456 Engineering computational analysis	IDN3001 Industrial design studio 4		
Year 4 Semester 2 July	MEC3457 Systems and control	TDN3002 Design strategy and professional practice	IDN3002 Industrial design studio 5		
Year 5 Semester 1 February	ENG4701 Final year project A	MEC4408 Thermodynamics and heat transfer	MEC3451 Fluid Mechanics 2	MEC4404 Professional Practice	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2	ENG4702 Final year project B	MEC4426 Computer- aided design	MEC3453 Dynamics 2	MEC4407 Design project	

Mechanical engineering	
Industrial design	

- · Engineering minors are not available in the Engineering double degree courses.
- 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
- · For enrolment advice, please refer to the Course advisers webpage.