

Course progression map for 2016 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 and subject to updates. It should be used in conjunction with the requirements of the course as specified in the [Handbook](#). The map is subject to updates. Last update: 9 October 2021

E3006 Bachelor of Engineering (Honours) and Bachelor of Design

Specialisations - Mechanical engineering and Industrial design

	Bachelor of Engineering (Honours)	Bachelor of Design		
Year 1 Semester 1	Foundation unit <i>or</i> ENG1003 Engineering mobile apps	IDN1001 Industrial design studio 1	AHT1101 Introduction to visual culture in art, design and architecture	OHS1000 Introduction to art and design health and safety (0 pts)
Year 1 Semester 2	ENG1002 Engineering design: Cleaner, safer, smarter <i>or</i> ENG1001 Engineering design: Lighter, faster, stronger	IDN1002 Industrial design studio 2	TDN1002 Design and the avant garde	
Year 2 Semester 1	DWG1201 Drawing 1	TDN2001 Sociologies of design	IDN2001 Industrial design studio 3	If two foundation units are required then overload is required for PHS1080 Foundation physics <i>*This unit is replaced by PHS1001 Foundation physics from 2018</i>
Year 2 Semester 2	ENG1002 Engineering design: Cleaner, safer, smarter <i>or</i> ENG1001 Engineering design: Lighter, faster, stronger	ENG1060 Computing for engineers	ENG1005 Mathematics for engineering	
			Engineering elective or ENG1003 Engineering mobile apps (if not already taken) <i>or</i> 6-point unit as directed by coordinator	
Year 3 Semester 1	MEC2402 Engineering design 1 <i>Unit title change in 2021</i>	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 Engineering design 2 <i>Unit title change in 2021</i>
Year 4 Semester 1	MEC3455 Solid Mechanics	MEC3456 Engineering computational analysis	IDN3001 Industrial design studio 4	
Year 4 Semester 2	MEC3457 Systems and control	TDN3002 Design strategy and professional practice <i>or</i> TDN3003 Design criticism	IDN3002 Industrial design studio 5	
Year 5 Semester 1	MEC4401 Final year project <i>Replace with ENG4701 from 2021/22</i>	MEC4408 Thermodynamics and heat transfer	MEC3451 Fluid Mechanics 2	MEC4404 Professional Practice
Year 5 Semester 2	MEC4402 Final year project – Thesis <i>Replace with ENG4702 from 2022</i>	MEC4426 Computer-aided design	MEC3453 Dynamics 2	MEC4407 Engineering design 3 <i>Unit title change in 2021</i>
Mechanical engineering		Industrial design		

All Bachelor of Engineering (Honours) students are required to complete [Continuous Professional Development \(CPD\)](#) in order to graduate. For CPD advice, refer to the [CPD webpage](#).