



THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA

CREATE CHANGE

Mechanical Engineering<sup>specialisation plus</sup>  
Aerospace Engineering<sup>major</sup>  
Bachelor of Engineering (Honours)



## Recommended Study Plan

This study plan is a guide only for students commencing the Bachelor of Engineering (Hons) in Mechanical Engineering in 2021. Please note that all course selections must adhere to the program course list outlined at [UQ Courses and Programs](#). If you have any questions or concerns regarding your course selections, please speak with an [Academic Advisor](#) in the School of Mechanical and Mining Engineering.

### February Commencement

SEM	YEAR 1				
Sem 1 Feb	<a href="#">ENGG1100</a> Professional Engineering	<a href="#">MATH1051</a> Calculus & Linear Algebra I	<a href="#">ENGG1500</a> Thermodynamics: Energy & the Environment	<a href="#">ENGG1700</a> Statics and Materials	
Sem 2 July	<a href="#">ENGG1001</a> Programming for Engineers	<a href="#">MATH1052</a> Multivariate Calculus & ODEs	<a href="#">ENGG1300</a> Introduction to Electrical Systems	Elective	
SEM	YEAR 2				
Sem 3 Feb	<a href="#">MECH2305</a> Intro to Engineering Design & Manufacturing	<a href="#">MECH2410</a> Fundamentals of Fluid Mechanics	<a href="#">MATH2001</a> Advanced Calculus & Linear Algebra II	<a href="#">MECH2300</a> Structures & Materials	
Sem 4 July	<a href="#">MECH2100</a> Machine Element Design	<a href="#">MECH2210</a> Intermediate Mechanical & Space Dynamics	<a href="#">MECH2700</a> Computational Engineering & Data Analysis	Elective	
SEM	YEAR 3				
Sem 5 Feb	<a href="#">MECH3610</a> Systems Engineering Principles	<a href="#">MECH3780</a> Computational Mechanics	<a href="#">MECH3400</a> Thermodynamics & Heat Transfer	<a href="#">MATH2010</a> Analysis of ODEs	<a href="#">STAT2201</a> Analysis of Eng. & Scientific Data
Sem 6 July	<a href="#">MECH3100</a> Systems Engineering Practice	<a href="#">MECH3200</a> Advanced Dynamics & Vibrations	<a href="#">MECH3410</a> Fluid Mechanics	<a href="#">AERO4200</a> Flight Mechanics & Avionics	
SEM	YEAR 4				
Sem 7 Feb	<a href="#">ENGG4600</a> Engineering Thesis (or) <a href="#">ENGG4552</a> Major Design Project (or) <a href="#">ENGG4013</a> Professional Engineering Project	<a href="#">METR4201</a> Control Engineering I	<a href="#">AERO4450</a> Aerospace Propulsion	<a href="#">AERO4470</a> Hypersonics	
Sem 8 July		<a href="#">ENGG4900</a> Professional Practice & the Business Environment	<a href="#">AERO4100</a> Aerospace Design & Manufacturing	<a href="#">AERO4800</a> Space Engineering (or) <a href="#">AERO4300</a> Aerospace Composites	

Refer to the 2021 course list for electives: <https://my.uq.edu.au/programs-courses/requirements/program/2455/2021>

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### July Commencement

SEM YEAR 1				
Sem 1 July	<a href="#">ENGG1100</a> Professional Engineering	<a href="#">MATH1051</a> Calculus & Linear Algebra I	<a href="#">ENGG1500</a> Thermodynamics: Energy & the Environment	<a href="#">ENGG1700</a> Statics & Materials
Sem 2 Feb	<a href="#">ENGG1001</a> Programming for Engineers	<a href="#">MATH1052</a> Multivariate Calculus	<a href="#">ENGG1300</a> Electrical Systems	Elective
SEM YEAR 2				
Sem 3 July	<a href="#">MATH2001</a> Advanced Calculus & Linear Algebra II	<a href="#">MECH2210</a> Intermediate Mechanical & Space Dynamics	Elective	<a href="#">MECH2700</a> Computational Engineering & Data Analysis
Sem 4 Feb	<a href="#">MECH2305</a> Intro to Engineering Design & Manufacturing	<a href="#">MATH2010</a> Analysis of ODEs	<a href="#">STAT2201</a> Analysis of Eng. & Scientific Data	<a href="#">MECH2410</a> Fundamentals of Fluid Mechanics
				<a href="#">MECH2300</a> Structures & Materials
SEM YEAR 3				
Sem 5 July	<a href="#">MECH2100</a> Machine Element Design	<a href="#">MECH3200</a> Advanced Dynamics and Vibrations	<a href="#">MECH3410</a> Fluid Mechanics	<a href="#">AERO4200</a> Flight Mechanics & Avionics
Sem 6 Feb	<a href="#">MECH3610</a> Systems Engineering Principles	<a href="#">METR4201</a> Control Engineering I	<a href="#">MECH3400</a> Thermodynamics & Heat Transfer	<a href="#">MECH3780</a> Computational Mechanics
SEM YEAR 4				
Sem 7 July	<a href="#">ENGG4601</a> Engineering Thesis	<a href="#">MECH3100</a> Systems Engineering Practice	<a href="#">AERO4100</a> Aerospace Design & Manufacturing	<a href="#">AERO4800</a> Space Engineering OR <a href="#">AERO4300</a> Aerospace Composites
Sem 8 Feb		<a href="#">ENGG4900</a> Professional Practice & the Business Environment	<a href="#">AERO4450</a> Aerospace Propulsion	<a href="#">AERO4470</a> Hypersonics

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