



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Mechatronic Engineering

Bachelor of Engineering (Honours) and Master of
Engineering



Recommended Study Plan

This study plan is a guide only for students commencing the Bachelor of Engineering (Hons) and Master of Engineering in Mechatronic Engineering in 2020. 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	ENGG1100 Engineering Design	ENGG1400 Engineering Mechanics: Statics & Dynamics	MATH1051 Calculus & Linear Algebra I	CSSE1001 Introduction to Software Engineering	
Sem 2 July	ENGG1200 Engineering Modelling & Problem Solving	MATH1052 Multivariate Calculus & ODEs	ENGG1300 Introduction to Electrical Systems	BE (Hons)/ME Elective (See Course List)	
SEM YEAR 2					
Sem 3 Feb	CSSE2010 Introduction to Computer Systems	MATH2001 Advanced Calculus & Linear Algebra II	MECH2300 Structures & Materials	BE (Hons)/ME Elective (See Course List)	
Sem 4 July	ELEC2004 Circuits, Signals & Systems	MECH2210 Intermediate Mechanical & Space Dynamics	METR2800 Mechatronic System Design Project I	MATH2010 Analysis of ODEs	STAT2201 Analysis of Eng. & Scientific Data
SEM YEAR 3					
Sem 5 Feb	ELEC2003 Electromechanics & Electronics	ELEC3004 Signals, Systems & Control	METR3100 Control System Implementation	METR4201 Control Engineering 1	
Sem 6 July	MECH2100 Machine Element Design	MECH3200 Advanced Dynamics & Vibrations	METR4202 Robotics & Automation	BE (Hons)/ME Elective (See Course List)	
SEM YEAR 4					
Sem 7 Feb	METR4810 Mechatronic System Design Project II	B1 Elective (See Course List)	B1 Elective (See Course List)	B1 Elective (See Course List)	
Sem 8 July	ENGG4900 Professional Practice and the Business Environment	METR7203 Control Engineering 2	B1 Elective (See Course List)	B1 Elective (See Course List)	
SEM YEAR 5					
Sem 9 Feb	ENGG7290 Engineering Placement Semester				
Sem 10 July	ENGG7701 Engineering Grand Challenges	N Elective (See Course List)	B1, C, or N Elective (See Course List)	B1, C, or N Elective (See Course List)	

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July Commencement

SEM YEAR 1					
Sem 1 July	ENGG1211 Engineering Design, Modelling & Problem Solving	MATH1051 Calculus & Linear Algebra I	ENGG1300 Introduction to Electrical Systems	BE (Hons)/ME Elective (See Course List)	
Summer Sem					
Sem 2 Feb	CSSE1001 Introduction to Software Engineering	ENGG1400 Engineering Mechanics: Statics & Dynamics	MATH1052 Multivariate Calculus & ODEs		
SEM YEAR 2					
Sem 3 July	ELEC2004 Circuits, Signals & Systems	MECH2210 Intermediate Mechanical & Space Dynamics	METR2800 Mechatronic System Design Project I	MATH2010 Analysis of ODEs	STAT2201 Analysis of Eng. & Scientific Data
Sem 4 Feb	CSSE2010 Introduction to Computer Systems	MATH2001 Advanced Calculus & Linear Algebra II	MECH2300 Structures & Materials	BE (Hons)/ME Elective (See Course List)	
SEM YEAR 3					
Sem 5 July	MECH3200 Advanced Dynamics & Vibrations	METR4202 Robotics & Automation	MECH2100 Machine Element Design	BE (Hons)/ME Elective (See Course List)	
Sem 6 Feb	ELEC2003 Electromechanics & Electronics	ELEC3004 Signals, Systems & Control	METR3100 Control System Implementation	METR4201 Control Engineering 1	
SEM YEAR 4					
Sem 7 July	ENGG4900 Professional Practice and the Business Environment	METR7203 Control Engineering 2	B1 Elective (See Course List)	N Elective (See Course List)	
Sem 8 Feb	METR4810 Mechatronic System Design Project II	B1 Elective (See Course List)	B1 Elective (See Course List)	B1, C, or N Elective (See Course List)	
SEM YEAR 5					
Sem 9 July	ENGG7701 Engineering Grand Challenges	B1 Elective (See Course List)	B1 Elective (See Course List)	B1, C, or N Elective (See Course List)	
Sem 10 Feb	ENGG7290 Engineering Placement Semester				