

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 2023. 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

SEMESTER YEAR 1					
Sem 1 Feb	ENGG1100 Professional Engineering	MATH1051 Calculus & Linear Algebra I (or) MATH1071 Advanced Calculus & Linear Algebra I	ENGG1300 Introduction to Electrical Systems	Elective	
Sem 2 July	ENGG1001 Programming for Engineers (or) CSSE1001 Introduction to Software Engineering	MATH1052 Multivariate Calculus & ODEs (or) MATH1072 Advanced Multivariate Calculus & Ordinary Differential Equations	ENGG1700 Statics and Materials	Elective	
SEMESTER YEAR 2					
Sem 1 Feb	METR2800 Mechatronic System Design Project I	MECH2300 Structures & Materials	ELEC2300 Fundamentals of Electromagnetism & Electromechanics	MATH2001 Calculus & Linear Algebra II	
Sem 2 July	CSSE2010 Introduction to Computer Systems	MECH2210 Intermediate Mechanical & Space Dynamics	ELEC2004 Circuits, Signals & Systems	MATH2010	STAT2201 Analysis of Eng. & Scientific Data
SEMESTER YEAR 3					
Sem 1 Feb	METR3100 Control Systems Implementation	METR4201 Control Engineering I	ELEC3004 Signals, Systems & Control	ELEC2400 Electronic Devices & Circuits	
Sem 2 July	METR4810 Mechatronic System Design Project II	MECH2100 Machine Element Design	METR4202 Robotics & Automation	MECH3200 Advanced Dynamics & Vibrations	
SEMESTER YEAR 4					
Sem 1 Feb	Elective	ENGG4900 Professional Practice & the Business	Elective	Elective	
Sem 2 July	Elective	METR6203 Control Engineering II	Elective	Elective	
SEMESTER YEAR 5					
Sem 1 Feb	ENGG7291 Engineering Placement A				
Sem 2 July	Elective	Elective	ENGG7701 Engineering Grand Challenges	Elective	

Refer to the 2023 course list for electives:

[Engineering \(Honours\) and Master of Engineering - my.UQ - The University of Queensland, Australia](#)

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 2023. 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.

July Commencement

SEMESTER YEAR 1					
Sem 2 July	ENGG1100 Professional Engineering	MATH1051 Calculus & Linear Algebra I (or) MATH1071 Advanced Calculus & Linear Algebra I	ENGG1300 Introduction to Electrical Systems	Elective	
Sem 1 Feb	ENGG1001 Programming for Engineers (or) CSSE1001 Introduction to Software Engineering	MATH1052 Multivariate Calculus & ODEs (or) MATH1072 Advanced Multivariate Calculus & Ordinary Differential Equations	ENGG1700 Statics and Materials	Elective	
SEMESTER YEAR 2					
Sem 2 July	MATH2010 Analysis of ODEs	STAT2201 Analysis of Eng. & Scientific Data	CSSE2010 Introduction to Computer Systems	MECH2210 Intermediate Mechanical & Space Dynamics	MATH2001 Calculus & Linear Algebra
Sem 1 Feb	METR2800 Mechatronic System Design Project I	MECH2300 Structures & Materials	ELEC2300 Fundamentals of Electromagnetism & Electromechanics	ELEC2400 Electronic Devices & Circuits	
SEMESTER YEAR 3					
Sem 2 July	MECH2100 Machine Element Design	ELEC2004 Circuits, Signals & Systems	MECH3200 Advanced Dynamics & Vibrations	Elective	
Sem 1 Feb	METR3100 Control Systems Implementation	METR4201 Control Engineering I	ELEC3004 Signals, Systems & Control	Elective	
SEMESTER YEAR 4					
Sem 2 July	Elective	METR4810 Mechatronic System Design Project II	METR4202 Robotics & Automation	METR6203 Control Engineering II	
Sem 1 Feb	ENGG4900 Professional Practice & the Business Environment	Elective	Elective	Elective	
SEMESTER YEAR 5					
Sem 2 July	ENGG7701 Engineering Grand Challenges	Elective	Elective	Elective	
Sem 1 Feb	ENGG7291 Engineering Placement A				

Refer to the 2023 course list for electives:

[Engineering \(Honours\) and Master of Engineering - my.UQ - The University of Queensland, Australia](#)