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2024 Commencement Mechatronic Engineering Specialisation– no major option 2024 Bachelor of Engineering (Honours)



Recommended Study Plan

This study plan is a **guide only** for students commencing the Bachelor of Engineering (Hons) in Mechatronic Engineering (no major option) in 2024. Please note that all course selections must adhere to the course list outlined at [UQ Courses and Programs](#). If you have any questions or concerns regarding your course selections, please speak with a [Academic Advisor](#).

#8 Compulsory Core #8	Compulsory Specialisation	Preparatory courses or general elective #0-#4
#8 Mechatronic Engineering Extension Courses	#4-#8 Mechatronic Engineering Advanced Electives	#0-4 Mechatronic Engineering Breadth Electives

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	Preparatory courses or general elective	
Sem 2 July	ENGG1001 Programming for Engineers (or) CSSE1001 Introduction to Software Engineering	MATH1052 Multivariate Calculus & ODEs (or) MATH1072 Advanced Multivariate Calculus & Ordinary	ENGG1700 Statics and Materials	Preparatory courses or general 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 Intro to Computer Systems	MECH2210 Intermediate Mechanical & Space Dynamics	ELEC2004 Circuits, Signals & Systems	MATH2010 Analysis of ODEs	STAT2201 Analysis of Eng. & Scientific Data
SEMESTER		YEAR 3			
Sem 1 Feb	METR3100 Control Systems Implementation	METR4201 Control Engineering 1	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	METR4911 Thesis/Design Project	ENGG4901 Professional Practice & the Business Environment	Mechatronic Engineering Advanced Electives	Mechatronic Engineering Breadth Electives	
Sem 2 July		METR6203 Control Engineering 2	Mechatronic Engineering Advanced Electives	Mechatronic Engineering Breadth Electives	

Recommended Study Plan .

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		Preparatory courses or general elective
Sem1 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		Preparatory courses or general elective
SEMESTER YEAR 2					
Sem 2 July	CSSE2010 Introduction to Computer Systems	MECH2210 Intermediate Mechanical & Space Dynamics	MATH2010 Analysis of ODEs	STAT2201 Analysis of Eng. & Scientific Data	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	Mechatronic Engineering Advanced Electives*	Mechatronic Engineering Breadth Electives*		MECH3200 Advanced Dynamics & Vibrations
Sem 1 Feb	METR3100 Control Systems Implementation	METR4201 Control Engineering I	ELEC2004 Circuits, Signals & Systems		ELEC3004 Signals, Systems & Control
SEMESTER YEAR 4					
Sem 2 July	METR4912 Thesis/Design Project	METR4202 Robotics & Automation	METR4810 Mechatronic System Design Project II		METR6203 Control Engineering 2
Sem 1 Feb		ENGG4901 Professional Practice & the Business Environment	Mechatronic Engineering Advanced Electives*		Mechatronic Engineering Breadth Electives*

Refer to the course list for electives:

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