THE UNIVERSITY of ADELAIDE

2022 Study Plan
Master of Engineering (Mechatronic)

Year 1				
S1	MECH ENG 7070 Heat Transfer & Thermodynamics ☐	MECH ENG 7071 Mechatronics II ☐	ENG 7057 Communication & Critical Thinking ☐	PROJMGNT 5021 Project Management Fundamentals ☐
S2	MECH ENG 7072 Microcontroller Programming ☐	MECH ENG 7111 Acoustics and Vibrations ☐	ELEC ENG 7164 Business Management Systems ☐	MATHS 7025 Research Methods and Statistics ☐
Year 2				
S1	ENG 7001A Research Project Part A (6 units) ☐		Mechatronic Engineering Elective A or B (see elective table) ☐	Mechatronic Engineering Elective A (see elective table) ☐
S2	ENG 7001B Research Project Part B (6 units) ☐		Mechatronic Engineering Elective A or B (see elective table) ☐	Mechatronic Engineering Elective A (see elective table) ☐

Core Courses	Foundation Courses	Elective (see table)

Mechatronic Engineering Elective A					
S1	~~ELEC ENG 7015~~	~~Adaptive Signal Processing~~ *(not offered in 2022)*	**S2**	ENG 7020	Complex Systems Engineering PG
	MECH ENG 7024	Robotics M		ELEC ENG 7049	Power Electronics Systems
	MECH ENG 7080	Modern Control Systems		ELEC ENG 7060	Image Sensors & Processing
				ELEC ENG 7075	Distributed Generation Technologies
				MECH ENG 7028	Advanced PID Control
Mechatronic Engineering Elective B					
S1	MECH ENG 7020	Materials Selection & Failure Analysis	**S2**	ELEC ENG 7033	Principles of RF Engineering
	MECH ENG 7164	Renewable Power Technologies		ENG 7020	Complex Systems Engineering
				MECH ENG 7029	Airconditioning
				MECH ENG 7030	Advanced Vibrations
SUM	MECH ENG 7027	Engineering Acoustics			
	MECH ENG 7056	Systems Engineering 1			

NOTES

Internship: Master of Engineering students are required to complete 12 weeks of internship during the course of their studies, with a minimum of 6 weeks under the supervision of a professional engineer. Students who have previously completed an approved 12 week period of internship as part of their undergraduate studies at the University of Adelaide are exempt from this requirement. Internships are self-sourced and further information can be found on the Engineering Internships web page: https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering.

Program Rules: For academic program rules please refer to the following website: https://calendar.adelaide.edu.au/faculty/ecms

Information and Enrolment Advice:
Ask ECMS
Email: askecms@adelaide.edu.au
Website: https://ecms.adelaide.edu.au/study-with-us/student-support