

Master of Engineering (Mechatronic)

Year 1										
S1	MECH ENG 7070 Heat Transfer & Thermodynamics	<input type="checkbox"/>	MECH ENG 7071 Mechatronics II	<input type="checkbox"/>	ELEC ENG 7057 Engineering Communication & Critical Thinking	<input type="checkbox"/>	PROJMGNT 5021 Project Management Fundamentals	<input type="checkbox"/>		
S2	MECH ENG 7072 Microcontroller Programming	<input type="checkbox"/>	MECH ENG 7111 Acoustics and Vibrations	<input type="checkbox"/>	ELEC ENG 7164 Business Management Systems	<input type="checkbox"/>	MATHS 7025 Research Methods and Statistics	<input type="checkbox"/>		
Year 2										
S1	MECH ENG 7041A Masters Project Part 1 (6 units)			<input type="checkbox"/>	Mechatronic Engineering Elective A or B (see elective table)		<input type="checkbox"/>	Mechatronic Engineering Elective A (see elective table)		<input type="checkbox"/>
S2	MECH ENG 7041B Masters Project Part 2 (6 units)			<input type="checkbox"/>	Mechatronic Engineering Elective A or B (see elective table)		<input type="checkbox"/>	Mechatronic Engineering Elective A (see elective table)		<input type="checkbox"/>

Core Courses	Foundation Courses	Elective (see table)
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Mechatronic Engineering Elective A					
S1	ELEC ENG 7015 MECH ENG 7024	Adaptive Signal Processing (not offered in 2021) Robotics M	S2	ELEC ENG 7049 ELEC ENG 7060 ELEC ENG 7075 MECH ENG 7028 MECH ENG 7034	Power Electronics Systems Image Sensors & Processing Distributed Generation Technologies Advanced PID Control Advanced Digital Control
Mechatronic Engineering Elective B					
S1	MECH ENG 7020	Materials Selection & Failure Analysis	S2	ELEC ENG 7033 MECH ENG 7029 MECH ENG 7030	Principles of RF Engineering Airconditioning Advanced Vibrations
SUM	MECH ENG 7027	Engineering Acoustics	WIN	MECH ENG 7056	Systems Engineering

NOTES

Practical Experience: A total of 12 weeks practical experience approved by the Faculty and of which a minimum 6 weeks should be under the supervision of a professional engineer. Students who have previously completed an approved 12 week period of practical experience are exempt from this requirement.

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>