

Master of Engineering (Mechatronic) – Semester 2 Start

Year 1				
S2	MECH ENG 7072 Microcontroller Programming <input type="checkbox"/>	MECH ENG 7111 Acoustics and Vibrations <input type="checkbox"/>	ELEC ENG 7057 Engineering Communication & Critical Thinking <input type="checkbox"/>	MATHS 7025 Research Methods and Statistics <input type="checkbox"/>
Year 2				
S1	MECH ENG 7070 Heat Transfer & Thermodynamics <input type="checkbox"/>	MECH ENG 7071 Mechatronics II <input type="checkbox"/>	PROJMGNT 5021 Project Management Fundamentals <input type="checkbox"/>	Mechatronic Engineering Elective A (see elective table) <input type="checkbox"/>
S2	MECH ENG 7041A Masters Project Part 1 (6 units) <input type="checkbox"/>		ELEC ENG 7164 Business Management Systems <input type="checkbox"/>	Mechatronic Engineering Elective A (see elective table) <input type="checkbox"/>
Year 3				
S1	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 or B (see elective table) <input type="checkbox"/>

Core Courses	Foundation Courses	Elective (see table)
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Mechatronic Engineering Elective A				
S1	<del>ELEC ENG 7015</del> Adaptive Signal Processing (not offered in 2021)		S2	ELEC ENG 7049 Power Electronics Systems
	MECH ENG 7024 Robotics M			ELEC ENG 7060 Image Sensors & Processing
			ELEC ENG 7075 Distributed Generation Technologies	
			MECH ENG 7028 Advanced PID Control	
			MECH ENG 7034 Advanced Digital Control	
Mechatronic Engineering Elective B				
S1	MECH ENG 7020 Materials Selection & Failure Analysis		S2	ELEC ENG 7033 Principles of RF Engineering
			MECH ENG 7029 Airconditioning	
			MECH ENG 7030 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](mailto:askecms@adelaide.edu.au)

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>