

Master of Engineering (Mechanical) – Semester 2 Start

Year 1				
S2	MECH ENG 7068 Applied Aerodynamics <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 7067 Advanced Mechanics of Materials <input type="checkbox"/>	PROJMGNT 5021 Project Management Fundamentals <input type="checkbox"/>	Mechanical 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"/>	Mechanical Engineering Elective A or B (see elective table) <input type="checkbox"/>
Year 3				
S1	MECH ENG 7041B Masters Project Part 2 (6 units) <input type="checkbox"/>		Mechanical Engineering Elective A (see elective table) <input type="checkbox"/>	Mechanical Engineering Elective A or B (see elective table) <input type="checkbox"/>

Core Courses	Foundation Courses	Elective (see table)
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Mechanical Engineering Elective A					
S1	MECH ENG 7026 MECH ENG 7059	Advanced Topics in Fluid Mechanics Finite Element Analysis of Structures	S2	MECH ENG 7023 MECH ENG 7030	Fracture Mechanics (<i>not offered 2021</i>) Advanced Vibrations
Mechanical Engineering Elective B					
S1	MECH ENG 7020 MECH ENG 7021 MECH ENG 7045 MECH ENG 7076	Materials Selection & Failure Analysis Combustion Technology & Emissions Control CFD for Engineering Applications <i>Renewable Fluid Power Technology (not offered 2021)</i>	S2	MECH ENG 7028 MECH ENG 7029 MECH ENG 7034 MECH ENG 7043 MECH ENG 7044 MECH ENG 7075	Advanced PID Control Air Conditioning Advanced Digital Control <i>Stresses in Plates & Shells (not offered 2021)</i> Biomechanical Engineering <i>Sustainable Thermal Technologies (not offered 2021)</i>
SUM	MECH ENG 7025 MECH ENG 7027	Topics in Welded Structures Engineering Acoustics			

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>