Faculty of Engineering, Computer and Mathematical Sciences
2021 Study Plan

Master of Engineering (Mechanical)

Year 1				
S1	MECH ENG 7070 Heat Transfer & Thermodynamics ☐	MECH ENG 7067 Advanced Mechanics of Materials ☐	ELEC ENG 7057 Engineering Communication & Critical Thinking ☐	PROJMGNT 5021 Project Management Fundamentals ☐
S2	MECH ENG 7068 Applied Aerodynamics ☐	MECH ENG 7111 Acoustics and Vibrations ☐	ELEC ENG 7164 Business Management Systems ☐	MATHS 7025 Research Methods and Statistics ☐
Year 2				
S1	MECH ENG 7041A Masters Project Part 1 (6 units) ☐		Mechanical Engineering Elective A (see elective table) ☐	Mechanical Engineering Elective A or B (see elective table) ☐
S2	MECH ENG 7041B Masters Project Part 2 (6 units) ☐		Mechanical Engineering Elective A (see elective table) ☐	Mechanical Engineering Elective A or B (see elective table) ☐

Core Courses	Foundation Courses	Elective (see table)

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~~ *(not offered 2021)* 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 ~~Renewable Fluid Power Technology~~ *(not offered 2021)*	**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 ~~Stresses in Plates & Shells~~ *(not offered 2021)* Biomechanical Engineering ~~Sustainable Thermal Technologies~~ *(not offered 2021)*
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