

## Master of Engineering (Mechanical)

Year 1				
S1	MECH ENG 7070 Heat Transfer & Thermodynamics <input type="checkbox"/>	MECH ENG 7067 Advanced Mechanics of Materials <input type="checkbox"/>	ELEC ENG 7057 Engineering Communication & Critical Thinking <input type="checkbox"/>	PROJMGNT 5021 Project Management Fundamentals <input type="checkbox"/>
S2	MECH ENG 7068 Applied Aerodynamics <input type="checkbox"/>	MECH ENG 7047 Dynamics & Control II <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"/>	Engineering Elective <input type="checkbox"/>	Engineering Elective <input type="checkbox"/>	Engineering Elective <input type="checkbox"/>
S2	MECH ENG 7041B Masters Project Part 2 (6 units) <input type="checkbox"/>	Engineering Elective <input type="checkbox"/>	Engineering Elective <input type="checkbox"/>	Engineering Elective <input type="checkbox"/>

Core Courses    Foundation Courses

\*Students must choose at least two electives denoted with an asterisk. Advanced standing does not count towards the two course minimum requirement.

For a complete list of courses that constitute the program, including majors, please refer to the academic program rules website: <https://calendar.adelaide.edu.au/faculty/ecms>

### Further Information and Enrolment Advice

Faculty of Engineering, Computer and Mathematical Sciences

Email: [askecms@adelaide.edu.au](mailto:askecms@adelaide.edu.au)

[www.ecms.adelaide.edu.au](http://www.ecms.adelaide.edu.au)

### Engineering Electives Table

CHOOSE FROM THE FOLLOWING ELECTIVES				
SEMESTER 1	MECH ENG 7028 Advanced PID Control <input type="checkbox"/>	MECH ENG 7059 Finite Element Analysis of Structures * <input type="checkbox"/>	MECH ENG 7020 Materials Selection & Failure Analysis <input type="checkbox"/>	MECH ENG 7050 Sustainability & the Environment <input type="checkbox"/>
	MECH ENG 7076 Renewable Fluid Power Technologies * <input type="checkbox"/>	MECH ENG 7030 Advanced Vibrations * <input type="checkbox"/>	MECH ENG 7045 CFD for Engineering Applications <input type="checkbox"/>	<input type="checkbox"/>
	MECH ENG 7021 Combustion Technology & Emission Control * <input type="checkbox"/>			
SEMESTER 2	MECH ENG 7034 Advanced Digital Control <input type="checkbox"/>	MECH ENG 7029 Airconditioning <input type="checkbox"/>	MECH ENG 7044 Biomechanical Engineering <input type="checkbox"/>	MECH ENG 7043 Stresses in Plates & Shells <input type="checkbox"/>
	MECH ENG 7075 Sustainable Thermal Technologies <input type="checkbox"/>	MECH ENG 7023 Fracture Mechanics * <input type="checkbox"/>		
SUMMER	MECH ENG 7027 Engineering Acoustics <input type="checkbox"/>	MECH ENG 7025 Topics in Welded Structures <input type="checkbox"/>		