THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences 2019 Study Plan

Master of Marine Engineering – Semester 2 Start

Year 1				
Winter	MECH ENG 7056 Systems Engineering I # ☐	☐	☐	☐
S2	Elective* ☐	Elective ☐	Elective ☐	
Year 2				
S1	MECH ENG 7042 Introduction to Submarine Design # ☐	MECH ENG 7046 Submarine Design # ☐	MECH ENG 7049 Marine Engineering Research Project Part A (6 units) ☐	
S2	Elective ☐	Elective ☐	MECH ENG 7049 Marine Engineering Research Project Part B (6 units)	

Intensive mode courses

* Students may present no more than 6 units of courses denoted with an asterisk

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
www.ecms.adelaide.edu.au

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Engineering Electives Table

CHOOSE FROM THE FOLLOWING ELECTIVES				
SEMESTER 1	ELEC ENG 7015 Adaptive Signal Processing ☐	MECH ENG 7070 Heat Transfer & Thermodynamics ☐	MECH ENG 7067 Advanced Mechanics of Materials ☐	ELEC ENG 7046 Power Quality & Fault Diagnosis ☐
	ELEC ENG 7082 Principles of Control Systems ☐	MECH ENG 7066 Aeronautical Engineering ☐	APP MTH 7075 Fluid Mechanics ☐	MECH ENG 7020 Materials Selection & Failure Analysis ☐
	MECH ENG 7071 Mechatronics II ☐	ELEC ENG 7069 Electric Energy Systems ☐	MECH ENG 7030 Advanced Vibrations ☐	MECH ENG 7045 CFD for Engineering Applications ☐
	MECH ENG 7059 Finite Element Analysis of Structures ☐	MECH ENG 7076 Renewable Fluid Power Technology ☐	MECH ENG 7053 Aerospace Propulsion ☐	MECH ENG 7026 Advanced Topics in Fluid Mechanics ☐
	MECH ENG 7021 Combustion Technology & Emissions Control ☐	MECH ENG 7024 Robotics M ☐	MECH ENG 7028 Advanced PID Control ☐	MECH ENG 7050 Sustainability & the Environment ☐
	MECH ENG 7077 Submarine Naval Architecture Maritime Engineering ☐	MECH ENG 7078 Submarine Programs for Industry and Defence Managers ☐		
SEMESTER 2	COMP SCI 7076 Distributed Systems ☐	ELEC ENG 7049 Power Electronics Systems ☐	MECH ENG 7023 Fracture Mechanics ☐	MECH ENG 7027 Engineering Acoustics ☐
	MECH ENG 7029 Airconditioning ☐	MECH ENG 7034 Advanced Digital Control ☐	MECH ENG 7043 Stresses in Plates & Shells ☐	MECH ENG 7047 Dynamics & Control II ☐
	MECH ENG 7075 Sustainable Thermal Technologies ☐	MECH ENG 7073 Space Vehicle Design ☐		
	MECH ENG 7072 Micro-Controller Programming ☐	ELEC ENG 7055 Antennas & Propagation ☐	ELEC ENG 7033 Principles of RF Engineering ☐	MECH ENG 7044 Biomechanical Engineering ☐
	MECH ENG 7062 Aircraft Design ☐	MECH ENG 7063 Advanced Topics in Aerospace Engineering ☐	MECH ENG 7068 Applied Aerodynamics ☐	
SUMMER	MECH ENG 7025 Topics in Welded Structures ☐	MECH ENG 7027 Engineering Acoustics ☐		

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Faculty of Engineering, Computer and Mathematical Sciences
2019 Study Plan

Dual Master of Marine Engineering – Semester 2 Start Only (Australian Students)

Year 1							
S2	In France **12** units equivalent of UA courses, including MECH ENG 7056 Systems Engineering						☐
Year 2							
S1	MECH ENG 7046 Submarine Design #	☐	MECH ENG 7042 Introduction to Submarine Design #	☐	MECH ENG 7077 Submarine Naval Architecture Maritime Engineering#	☐	MECH ENG 7078 Submarine Programs for Industry and Defence Managers# ☐
S2	Internship (12 units)						☐

Intensive mode courses

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