THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences
2021 Study Plan

Master of Marine Engineering – Submarine Specialisation – Semester 2 Start

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

Master of Marine Engineering – Surface Ship Specialisation – Semester 2 Start

Year 1				
Winter	#MECH ENG 7056 Systems Engineering I ☐			
S2	#MECH ENG 7048 Introduction to Naval Ship Engineering ☐	#MECH ENG 7065 Naval Ship Engineering ☐	Marine Engineering Elective (see elective table) ☐	
Year 2				
S1	Marine Engineering Elective (see elective table) ☐	Marine Engineering Elective (see elective table) ☐	MECH ENG 7049A Marine Engineering Research Project Part A (6 units) ☐	
S2	Marine Engineering Elective (see elective table) ☐	Marine Engineering Elective (see elective table) ☐	MECH ENG 7049B Marine Engineering Research Project Part B (6 units) ☐	

Core Course	Elective (see table)

NOTES

Intensive mode courses

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

Marine Engineering Electives

Marine Engineering Electives					
S1	APP MTH 7075	Fluid Mechanics	**S2**	COMP SCI 7076	Distributed Systems
	~~ELEC ENG 7015~~	~~Adaptive Signal Processing~~ *(not offered 2021)*		ELEC ENG 7033	Principles of RF Engineering
	ELEC ENG 7046	Power Quality & Fault Diagnosis		ELEC ENG 7049	Power Electronics Systems
	ELEC ENG 7069	Electric Energy Systems		ELEC ENG 7055	Antennas & Propagation
	ELEC ENG 7082	Principles of Control Systems		~~MECH ENG 7023~~	~~Fracture Mechanics~~ *(not offered 2021)*
	MECH ENG 7020	Materials Selection & Failure Analysis		MECH ENG 7028	Advanced PID Control
	MECH ENG 7021	Combustion Technology & Emissions Control		MECH ENG 7029	Airconditioning
	MECH ENG 7024	Robotics M		MECH ENG 7034	Advanced Digital Control
	MECH ENG 7026	Advanced Topics in Fluid Mechanics		~~MECH ENG 7043~~	~~Stresses in Plates & Shells~~ *(not offered 2021)*
	MECH ENG 7030	Advanced Vibrations		MECH ENG 7044	Biomechanical Engineering
	MECH ENG 7045	CFD for Engineering Applications		MECH ENG 7062	Aircraft Design
	~~MECH ENG 7050~~	~~Sustainability & the Environment~~ *(not offered 2021)*		MECH ENG 7063	Advanced Topics in Aerospace Engineering
	MECH ENG 7053	Aerospace Propulsion		MECH ENG 7068	Applied Aerodynamics
	MECH ENG 7059	Finite Element Analysis of Structures		MECH ENG 7072	Micro-Controller Programming
	MECH ENG 7066	Aeronautical Engineering		MECH ENG 7073	Space Vehicle Design
	MECH ENG 7067	Advanced Mechanics of Materials		~~MECH ENG 7075~~	~~Sustainable Thermal Technologies~~ *(not offered 2021)*
	MECH ENG 7070	Heat Transfer & Thermodynamics		MECH ENG 7111	Acoustics and Vibrations
	MECH ENG 7071	Mechatronics II			
	~~MECH ENG 7076~~	~~Renewable Fluid Power Technology~~ *(not offered 2021)*			
	MECH ENG 7077	Submarine Naval Architecture Maritime Engineering			
	MECH ENG 7078	Submarine Programs for Industry & Defence Managers			
SUM	MECH ENG 7025	Topics in Welded Structures	Other Electives may be chosen from another University (up to 6 units), see the academic program rules at: https://calendar.adelaide.edu.au/faculty/ecms		
	MECH ENG 7027	Engineering Acoustics			