

Graduate Certificate in Marine Engineering

Year 1				
S1	#MECH ENG 7042 Introduction to Submarine Design <input type="checkbox"/>	#MECH ENG 7046 Submarine Design <input type="checkbox"/>	Marine Engineering Elective (see elective table) <input type="checkbox"/>	<input type="checkbox"/>
Winter	#MECH ENG 7056 Systems Engineering I <input type="checkbox"/>			

Core Course	Elective (see table)
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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		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 and Defence Managers				
SUM	MECH ENG 7025	Topics in Welded Structures			
	MECH ENG 7027	Engineering Acoustics			