

Graduate Certificate in Marine Engineering – Semester 2 Start

Year 1				
Winter	#MECH ENG 7056 Systems Engineering I	<input type="checkbox"/>		
S2	Marine Engineering Elective (see elective table)	<input type="checkbox"/>		
Year 2				
S1	#MECH ENG 7046 Submarine Design	<input type="checkbox"/>	#MECH ENG 7042 Introduction to Submarine Design	<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](mailto:askecms@adelaide.edu.au)

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>

Marine Engineering Electives

Marine Engineering Electives					
<b>S1</b>	APP MTH 7075	Fluid Mechanics		COMP SCI 7076	Distributed Systems
	<del>ELEC ENG 7015</del>	<del>Adaptive Signal Processing (not offered 2021)</del>		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		<del>MECH ENG 7023</del>	<del>Fracture Mechanics (not offered 2021)</del>
	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		<del>MECH ENG 7043</del>	<del>Stresses in Plates &amp; Shells (not offered 2021)</del>
	MECH ENG 7030	Advanced Vibrations		MECH ENG 7044	Biomechanical Engineering
	MECH ENG 7045	CFD for Engineering Applications		MECH ENG 7062	Aircraft Design
	<del>MECH ENG 7050</del>	<del>Sustainability &amp; the Environment (not offered 2021)</del>		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		<del>MECH ENG 7075</del>	<del>Sustainable Thermal Technologies (not offered 2021)</del>
	MECH ENG 7070	Heat Transfer & Thermodynamics		MECH ENG 7111	Acoustics and Vibrations
	MECH ENG 7071	Mechatronics II			
<del>MECH ENG 7076</del>	<del>Renewable Fluid Power Technology (not offered 2021)</del>				
MECH ENG 7077	Submarine Naval Architecture Maritime Engineering				
MECH ENG 7078	Submarine Programs for Industry and Defence Managers				
<b>SUM</b>	MECH ENG 7025	Topics in Welded Structures			
	MECH ENG 7027	Engineering Acoustics			