

## 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"/>	Elective <input type="checkbox"/>	<input type="checkbox"/>
Winter	MECH ENG 7056 Systems Engineering I # <input type="checkbox"/>			

# Intensive mode courses

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