Greg – Marine & offshore systems Engineer

'The MOS degree combines enough scope to handle just about any engineering problem you are likely to come across in the offshore or marine industry. It basically covers all the different engineering systems that support a marine facility'.

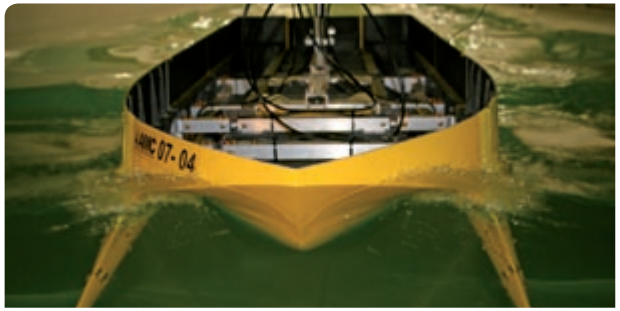
Marine and Offshore Systems – design, deployment and commissioning of Marine and Offshore systems.

Naval Architecture – technologies related to ships, yachts and marine vehicles, and skills to undertake their design and construction.

Students also obtain 12 weeks of practical experience in industry.

FACILITIES

During their studies AMC Engineering students use some of the world best hydrodynamic and engineering facilities, including



Ed – Naval Architect

'There is a good balance of theory and practical applications. We had a trip on the FTV Bluefin, which gave us an awareness of designs that seem right in theory and look right on paper may not work in real situations.'

Australia's longest model tow tank, ship model test basin, and cavitation tunnel to conduct tests for a range of ships, propellers and marine systems.

ENTRY REQUIREMENTS

All AMC Engineering degrees require students to have completed middle to upper level Mathematics and Physics/ Physical Science. Students who do not have all pre-requisites may complete a bridging course. Alternate entry options are also available. Contact the AMC for more information.

AMC
AUSTRALIAN MARITIME COLLEGE

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UTAS **The AMC is an institute of the University of Tasmania**

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AMC
AUSTRALIAN MARITIME COLLEGE

MARITIME ENGINEERING DEGREES

Bachelor of Engineering (Ocean Engineering)
Bachelor of Engineering (Marine and Offshore Systems)
Bachelor of Engineering (Naval Architecture)

YOUR TICKET TO THE WORLD

It's boom time in the global maritime industry. A degree from AMC will set you up for a top job earning big money.

Located in Launceston, a thriving regional city with low living costs, the AMC has integrated with the University of Tasmania to become a specialist institute.

Our courses are tailored to service the maritime industry and our engineering graduate employment rate is 100%. That's why we are ranked in the top ten maritime education institutions in the world.

If you are good at maths and science, then enrol in an AMC Maritime Engineering degree. AMC Engineering graduates are in high demand and will often find employment before they finish their studies.

AMC is your ticket to the world.

BACHELOR OF ENGINEERING (OCEAN ENGINEERING)

Ocean Engineers are involved in the design and management of some of the largest, most complex and expensive structures produced by mankind.

Career Opportunities

Top jobs are available in Australia, Europe, USA, UK and Asia designing and managing huge installations for the offshore oil and gas industry and generating power from the oceans. There are also careers with engineering consultancy firms specialising in coastal engineering, underwater vehicles, and port and harbour design. Graduates can also apply for any suitable position open to structural engineers.

BACHELOR OF ENGINEERING (MARINE AND OFFSHORE SYSTEMS)

This degree is unique to AMC and focuses upon the innovative design and deployment and commissioning of systems associated with the marine and offshore oil and gas industries. It is suited to students interested in mechanical and mechanical-electrical equipment, such as huge fuel injected turbocharged engines, large gas turbine generators or massive oil and gas rigs.

There are many exciting developments driven by increased fuel costs and the need to lower the environmental impact from vessels and rigs. You can get involved in engineering alternative marine power systems, or improving crude oil extraction to reduce emissions while maximising yield.

Career Opportunities

Top international jobs are offered to all quality applicants by the booming oil and gas industry. For those interested in boats, the Australian high speed ferry industry also offers rewarding careers. There is also international demand from the ship building, alternative energy, marine survey, statutory bodies, military, industrial process and power generation sectors. Graduates can also apply for any suitable position open to mechanical engineers.

BACHELOR OF ENGINEERING (NAVAL ARCHITECTURE)

A Naval Architect is responsible for the design and construction of marine craft such as high-speed ferries, submarines, racing yachts, cruise liners and cargo and military ships.

Suzanne – Ocean Engineer

'I wanted to be an engineer because I was good at maths and science and loved the water. I followed interests I had at school and decided to give it a go. AMC was a great place to study.'

Career Opportunities:

Australia leads the world in the design and construction of high-speed aluminium craft and Naval Architects are in huge demand. Naval Architects are also in demand in companies that design and build leisure craft, sailing and power yachts, and marine surveying. Many of the vessels of the Royal Australian Navy deployed in the defence of the nation have been built in Australian yards with considerable Australian design input, including patrol boats, mine hunters, frigates and submarines.

COURSE STRUCTURE AND DELIVERY

The Bachelor of Engineering degrees are four year professional engineering courses accredited by Engineers Australia and are recognised worldwide, with graduates working in all continents. AMC has small class sizes, which means more individual attention for students. The courses have a high proportion of practical learning, utilising AMC's world class facilities.

The first year of the degrees is common, introducing general engineering topics, with a ship and maritime engineering flavour. In year two, students build on their chosen area of study, which may include ocean, marine, offshore, hydrodynamics, and naval architecture. In years three and four, a rich understanding of the individual disciplines, with real industry contact is developed. Areas of study include:

Ocean Engineering – technologies related to offshore, subsea, and coastal installations, and skills to undertake their design and installation.