Naval Architecture with High Performance Marine Vehicles

University of Strathclyde

Content

Marine vehicles have developed dramatically in recent years. Lighter, faster, stronger, greener and safer vehicles are being designed and built using advanced materials and technology combined with creative design engineering.

This course creates designers with all the core skills of ship design, construction, operation and maintenance. They also have a particular specialisation in the creative design and engineering of high performance leisure and commercial vehicles, including sailing and power yachts, fast ferries, hydrofoils, hovercraft, fishing boats and the concept designs of the future.

Year 1: Maths, Engineering Mechanics, Marine Design, Introduction to Naval Architecture and Marine Engineering; group project to design, build and test a container ship.

Year 2: focus on flotation, stability and safety of ships, marine design and production; group project to build a radio-controlled sailing yacht and a wave energy device.

Year 3: topics cover resistance and propulsion of ships, marine engineering, design of marine structures, yacht and power craft design; individual project to design a ship.

Year 4: an individual project on a topic of your choice; classes covering High Performance Sailing Yachts, and High-Speed Ships as well as State-of-the-art Tools for Predicting Fluid Flow Around Ships and the Strength of Ship Structures.

Year 5 (MEng only): group design project; further specialist technical and management classes.

Start Date

October

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

H521

Course Length

5 years

Faculty

Faculty of Engineering

Department

Naval Architecture, Ocean and Marine Engineering

Entry Requirements

2027 entry requirements

Standard entry
4 or 5 Highers at AAAA or AAABB including Maths at A and Engineering Science or Physics plus English at National 5 (Higher preferred). Advanced Higher Maths and Physics preferred.

Widening access entry:
4 or 5 Highers at ABBB or BBBBB including Maths and Engineering Science or Physics plus English at National 5 (Higher preferred). Advanced Higher Maths and Physics preferred.

A Foundation Apprenticeship is accepted in place of a non-essential Higher.

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

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