

Naval Architecture and Marine Engineering

University of Strathclyde

Content

Years 1 & 2

Our courses have a common core on which you'll build more specialist knowledge. In Years 1 and 2, you'll follow this core, so it's possible to change course. You'll study engineering science and the fundamentals of naval architecture including: buoyancy and floatation; stability; ship types; terminology.

As you progress, you'll study more specific naval architecture subjects such as: resistance and propulsion; ship structural analysis; ship design; marine engineering systems; business and management subjects.

Years 3 & 4

You'll study more advanced subjects related to the design of conventional ships, and the range of machinery and systems which provide the various services required on-board ships.

You'll study state-of-the-art tools for analysing the water flow around ship hulls, the stresses and strains in the hull structure, and the behaviour of ships in waves. You'll also study the design of machinery, power and electrical systems, transmission and propulsion systems as well as refrigeration and heating systems.

There's also a specialised individual project on a subject which you will choose. This can involve any combination of calculations, design, computer studies or tank-testing using any of the department's facilities.

Year 5

You'll study further specialist subjects covering topical areas such as energy management and environment protection, regulation and maintenance of marine systems, computer simulation of marine machinery, and marine renewable energy. You'll take part in a substantial group project to design an innovative vessel or structure.

Start Date

October

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

HJ56

Course Length

5 years

Faculty

Faculty of Engineering

Department

Naval Architecture, Ocean and Marine Engineering

Entry Requirements

2022 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. Advanced Higher Maths and Physics preferred. Higher English preferred.

Widening Access entry:

4 Highers at AAAB including Maths and Engineering Science or Physics plus English at National 5. Advanced Higher Maths and Physics preferred. Higher English preferred.

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

16 Richmond Street
Glasgow
Glasgow City
G1 1XQ

Website

www.strath.ac.uk