Naval Architecture with Ocean Engineering

University of Strathclyde

Content

As a naval architecture student, you'll learn to predict the stability and safety of ships, as well as their strength, speed, powering and propulsion requirements. You'll discover how to calculate the motions of ships and other floating structures in rough seas, and how to estimate their reliability and safety in extreme conditions.

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 hydrostatics and stability of marine vehicles, 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, offshore oil and gas production systems; individual project to design a ship.

Year 4: an individual project on a topic of your choice; classes covering Dynamics of Offshore Structures, and Structural Reliability as well as State-of-the-art Tools for Predicting Fluid Flow Around Ships and The Strength Of Marine Structures.

Start Date

October

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H512

Course Length

4 years

Faculty

Faculty of Engineering

Department

Naval Architecture, Ocean and Marine Engineering

Entry Requirements

2027 entry requirements

Standard entry
4 or 5 Highers at AAAB or AABBB including Maths and Engineering Science or Physics at AB or BA plus English at National 5 (Higher preferred). Advanced Higher Maths and Physics recommended.

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

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

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Glasgow
Glasgow City
G1 1XN

Website

www.strath.ac.uk