The Naval Architecture MSc is designed to provide the necessary knowledge and skills in naval architecture theory, analysis and design procedures, as applied to naval and merchant ships, so that students may be easily integrated into industrial ship design teams.

**Degree summary**

Students study ship dynamics, ship hydrodynamics, ship structures, the use of computers in advanced engineering analysis, and work in multidisciplinary teams with marine engineers (from the sister Marine Engineering MSc) on a comprehensive and unique ship design exercise. Research skills are honed through project work undertaken in the specialist fields of hydrodynamics, ship dynamics, structures and design.

- This MSc has several unique features. Direction and a significant portion of the teaching is carried out by staff seconded from the UK Ministry of Defence with recent experience of leading ship design teams.
- The Naval Architecture MSc has been accredited, for a period of five years from the 2012 student cohort, by the Institute of Marine Engineering, Science & Technology (IMarEST) and the Royal Institution of Naval Architects (RINA) as meeting the further learning requirements, in full, for registration as a Chartered Engineer.
- The large majority of students of this MSc continue directly to employment in the industry.

The programme is delivered through lectures, tutorials, individual and group projects, seminars and coursework assignments, which include advanced computational analysis. Assessment is through written, oral and viva voce examinations and assessed coursework (including the evaluation of technical reports, problem solving exercises, project reports, computational and modelling skills, and oral presentations).

**Degree structure**

**Mode:** Full-time: 1 year  
**Location:** London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of three core modules (90 credits), a ship design exercise (45 credits) and a research project (45 credits).

### Degree structure

**Mode:** Full-time: 1 year  
**Location:** London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of three core modules (90 credits), a ship design exercise (45 credits) and a research project (45 credits).

#### Degree structure

**Mode:** Full-time: 1 year  
**Location:** London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of three core modules (90 credits), a ship design exercise (45 credits) and a research project (45 credits).

### CORE MODULES

- Ship Dynamics
- Ship Structures (including subsea structures)
- Ship Hydrodynamics

### OPTIONAL MODULES

- There are no optional modules for this programme.

### DISSERTATION/REPORT

- All students complete a ship design group exercise, and undertake an independent research project which explores an aspect of ship design or performance analysis in depth.
Your career

The Naval Architecture MSc has been accredited, for a period of five years from the 2012 student cohort, by the Institute of Marine Engineering, Science & Technology (IMarEST) as meeting the further learning requirements, in full, for registration as a Chartered Engineer. There is currently a global shortage of well-qualified naval architects and consequently the job prospects are very good.

Recent career destinations* include:

// Graduate Engineer, Ministry of Defence (MoD)
// Graduate Naval Architect, QinetiQ
// Deputy Naval Architecture Officer, Canadian Armed Forces
// Engineer, American Bureau Of Shipping
// Naval Engineer, Cotecmar

Employability

UCL Naval Architecture MSc students are highly employable. The programme is designed to embed higher learning through academic study, individual research and a multidisciplinary ship design exercise. It is delivered by leading researchers from across UCL in collaboration with the Ministry of Defence. Students benefit from the close association with both the defence and commercial marine sectors with many lectures delivered by industry and, in some cases, world-leading experts. Networking is further enhanced during the design reviews and final VIP presentations where industry experts provide external challenge, advice and guidance to students while also taking the opportunity to talent-spot.

* Careers data is taken from the ‘Destinations of Leavers from Higher Education’ survey undertaken by HESA looking at the destinations of UK and EU students in the 2013-2015 graduating cohorts six months after graduation.
Entry requirements

A minimum of an upper second-class Bachelor's degree from a UK university in a suitable engineering subject or an overseas qualification of an equivalent standard.

**English language proficiency level**

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: **Standard**.

Information about the evidence required, acceptable qualifications and test providers is provided at: [www.ucl.ac.uk/graduate/english-requirements](http://www.ucl.ac.uk/graduate/english-requirements)

Your application

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:

- why you want to study Naval Architecture at graduate level
- why you want to study Naval Architecture at UCL
- what particularly attracts you to this programme
- how your academic and/or professional background meets the demands of a challenging programme
- where you would like to go professionally with your degree

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

Application fee: There is an application processing fee for this programme of £75 for online applications and £100 for paper applications. More details about the application fee can be found at [www.ucl.ac.uk/prospective-students/graduate/taught/application](http://www.ucl.ac.uk/prospective-students/graduate/taught/application).

FEES AND FUNDING 2018/19 ENTRY

- UK: £12,380 (FT)
- EU: £12,380 (FT)
- Overseas: £25,880 (FT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL Current Students website.

Full details of funding opportunities can be found on the UCL Scholarships website: [www.ucl.ac.uk/scholarships](http://www.ucl.ac.uk/scholarships)

APPLICATION DEADLINE

All applicants: 27 July 2018

Details on how to apply are available on the website at: [www.ucl.ac.uk/graduate/apply](http://www.ucl.ac.uk/graduate/apply)

CONTACT

Ms Louisa Ball, Programme Administrator

Email: graduate-info@meng.ucl.ac.uk

Telephone: +44 (0)20 7679 3907

EU referendum

For up-to-date information relating to specific key questions following the UK's decision to leave the EU, please refer to [www.ucl.ac.uk/eu-referendum](http://www.ucl.ac.uk/eu-referendum)