

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### ADVANCED NAVAL ARCHITECTURE

Master of Science in Advanced Naval Architecture  
Postgraduate Diploma in Advanced Naval Architecture  
Postgraduate Certificate in Advanced Naval Architecture

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as detailed below:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits, including NM839 Group Design Project
  - iii. for the degree of MSc – no fewer than 180 credits, including NM965 Individual Project

#### Compulsory Modules

Module Code	Module Title	Level	Credits
NM835	Ship Operability and Control	5	10
NM962	Advanced Marine Structures	5	10
NM838	Ship Powering in Service	5	10
NM950	Maritime Safety and Risk	5	10
NM973	Maritime Regulatory Framework	5	10
NM840	Advanced Marine Design	5	10
NM963	Theory and Practice of Marine CFD	5	10

#### Students for the Postgraduate Diploma and degree of MSc only:

Module Code	Module Title	Level	Credits
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NM839	Group Design Project	5	40
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**Students for the degree of MSc only:**

Module Code	Module Title	Level	Credits
NM965	Individual Project	5	60

**Optional Modules**

10 credits chosen from:

Module Code	Module Title	Level	Credits
NM842	Offshore Structural Integrity	5	10
NM845	Shipping Economics and Market Sector Analysis	5	10
NM844	Autonomous Marine Vehicles and Digital Twin	5	10

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

**Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

**Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Naval Architecture, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which no fewer than 80 must be from the taught modules, 40 from the Group Design Project NM839 and 60 from the Individual Project NM965.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Naval Architecture a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, of which no fewer than 80 must be from the taught modules and 40 from the Group Design Project NM839.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Naval Architecture a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.