FACULTY OF ENGINEERING

DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

OFFSHORE ENERGY TRANSITION

Master of Science in Offshore Energy Transition
Postgraduate Diploma in Offshore Energy Transition
Postgraduate Certificate in Offshore Energy Transition

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. Students shall possess:

    i. a first or second class Honours degree from a United Kingdom Higher Education Institute; or
    ii. other qualifications deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above, or
    iii. be deemed, by the Programme Director acting on behalf of the Senate, to have achieved an academic standard equivalent to (i) or (ii) above.

2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration of Study

3. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

Mode of Study

4. The programme is available by part-time online study.

Curriculum

5. All students shall undertake an approved curriculum as detailed below.

    i. for the degree of MSc – no fewer than 180 credits including the Individual Dissertation Project (NM965)
    ii. for the Postgraduate Diploma – no fewer than 120 credits including the Individual Thesis Project (NMXXX)
    iii. for the Postgraduate Certificate – no fewer than 60 credits from taught modules

Compulsory Modules

Module Code	Module Title	Level	Credits
NMXXX	Energy Transition Barriers and Readiness	5	10
NMXXX	Techno-Economics of Energy Systems and Integration	5	10
CL941	Environmental Impact Assessment	5	10
NMXXX	Health and Safety for Offshore Energy Systems	5	10

Students for the **Postgraduate Diploma** and degree of **MSc only**

Module Code	Module Title	Level	Credits
NMxxx	Individual Thesis Project	5	40

Students for the degree of **MSc only**:

Module Code	Module Title	Level	Credits
NM965	Individual Dissertation Project	5	60

Optional Modules

No fewer than 40 credits chosen from:

Module Code	Module Title	Level	Credits
NMXXX	Risk Management and Technology Qualification	5	10
NMXXX	Materials and Structures in Marine Environment	5	10
NMXXX	Offshore Wind Turbines Dynamics I: Environment Modelling and Wave Loading	5	10
NMXXX	Offshore Wind Turbines Dynamics II: Aero-Hydro-Servo-Elastic Coupled Dynamics with OpenFast	5	10
EE818	Data Analytics and AI for Energy Systems	5	10
EC960	Energy Economics	5	10
NM966	Marine Pipelines	5	10
NM960	Finite Element Analysis of Floating Structures	5	10

Exceptionally, other modules, totalling no more than 20 credits, as approved by the Programme Director.
Not all optional modules on this list will be available in each academic year.

6. Students who have previously completed any of the above modules as a part of another degree will be required to undertake an appropriate alternative module approved by the Programme Director.

Progress

7. The General Academic Regulations – Postgraduate Taught Degree Programme Level shall apply.

8. The final award will be based on performance in the examinations, coursework and the Individual Thesis and Dissertation Projects.

Award

9. **Degree of MSc**: In order to qualify for the award of the degree of MSc in Offshore Energy Transition, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 80 must be from the taught modules (including core and optional modules), 40 from the individual thesis project and 60 from the individual dissertation project.

10. **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Offshore Energy Transition 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 (including core and optional modules) and 40 from the individual thesis project.

11. **Postgraduate Certificate**: In order to qualify for the award of the Postgraduate Certificate in Offshore Energy Transition 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 (40 from core modules and 20 from optional modules) element of the programme.