

Marine & Plant Engineering @ NMCI

Level 7 CAO Code

CR 095

Admission Requirements

Leaving Certificate with Grade D3 in five subjects at Ordinary or Higher level including Mathematics and either English or Irish.

Enquiries

Admissions Office,
National Maritime College of Ireland, Ringaskiddy, Co. Cork.
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E: admissions@nmci.ie W: www.nmci.ie

AWARD

Bachelor of Engineering in Marine & Plant Engineering

Applicants for this course must be capable of passing the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport and are requested to attend a career advisory session. Offer of a place on the course will be subject to passing the medical and eyesight tests at the time of offer.

Full-time course duration

3 Years (6 Semesters). The full programme is normally available only to Irish citizens and EU citizens who are ordinarily resident in Ireland unless prior support is obtained from a recognised/ approved Shipping Company.

Helpful Leaving Certificate subjects

Mathematics, Science subjects, Engineering, and English.

Work Placement

There is no formal work placement during the course. However, students undertake practical work experience at the NMCI. At present, the completion of cadetship takes place post degree for approximately one year. Changes will take place over the next 12 months to integrate sea time into this degree option. Every effort is made to secure sea berths with shipping companies, but this cannot be guaranteed.

About Marine Engineering

The function of the Marine Engineer is to operate and maintain the engines, boilers, generators and other systems of ships. Most of the mechanical equipment aboard ship is operated and maintained by Marine Engineers.

As well as lectures, training is provided in marine, electrical, welding and mechanical workshops, supplemented with practical work in the College engine room and simulation exercises in the machinery and cargo-handling simulation suites. On completion of the BEng degree, students will be placed with an international shipping company and undertake Basic Safety Training and Instruction prior to taking up seagoing duties. It should be noted that while every endeavour will be made to secure

suitable sea training placement, this is outside the control of CIT/NMCI and the college cannot accept responsibility for difficulties in securing such placement.

Further Studies

There are opportunities for further study in order that cadets will progress from the Officer of the Watch Level on to the Second Engineer Officer Certificate of Competency and in due course to the Chief Engineer Officer Certificate of Competency with a combination of Sea-Service, further study and examinations.

Progress is being made towards the provision at NMCI of further study in Marine Engineering at Level 8. This will be advised via www.nmci.ie and www.cit.ie.

Module Information

<http://modules.cit.ie>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

For details, see www.cit.ie and www.nmci.ie

Other Programmes

- Higher Certificate in Science in Nautical Studies
- Certificate in Seamanship
- Courses for Professional Seafarers (Engineering)
- BBus in Supply Chain and Transport Management.

Graduate Profile

Eoin O'Sullivan
SENIOR MARINE ENGINEER



Eoin graduated in Marine & Plant Engineering. He is currently serving as a Second Engineer with Shell on a liquid natural gas carrier. Eoin obtained the Chief Engineering Certificate of Competency. Eoin found the College facilities excellent. "Most of the lecturers have spent time at sea and use their experience to teach their skills. The standard of education is very high."

First Year Modules

SEMESTER 1

Creativity, Innovation & Teamwork
Mechanics 1
Technical Drawing 1
Physics for Marine Engineers
Marine Engineering Practice & Legislation 1
Technological Mathematics 1

SEMESTER 2

Mechanics 2
Technical Drawing 2
Mechanical Workshop Theory 1
Applied Thermodynamics 1
Electrical & Electronics Principles 1
Technological Mathematics 2