

Marine Electrotechnology @ NMCI

Level 7 CAO Code

Admission Requirements

Enquiries

CR 805

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

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 Electrotechnology

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.



Progress to Honours Degree

CR 805 CAO Points

New Course Entry 2011

Full-time course duration

3 Years (6 Semesters) taught plus 1 year work placement. 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, and Engineering.

Work Placement

There is formal work placement during the course; students undertake practical work experience on a relevant vessel between the 2nd and 3rd taught years of the programme. During this 'sea placement' students are expected to gain a minimum of 9 months work experience. Every effort is made to secure sea berths with shipping companies, but this cannot be guaranteed by the NMCI/CIT.

About Marine Electrotechnology

An Electro Technical Officer (ETO) operates, maintains and calibrates all electrical, electronic and control equipment. The ETO's role is not restricted to the engine room and may also work on complex systems located throughout any vessel.

The course shares its first two semesters with the BEng in Marine and Plant Engineering. Having completed Year 1, Marine Electrotechnology students will begin specialist electrical and electronic training. As well as lectures, training is provided in a variety of workshops and laboratories. This practical work is given to enhance the students learning

experience. Practical knowledge of fundamental theories is gained in electrical, electronic, communications and control laboratories. A broad understanding of ships and ships' systems is delivered in electrical workshops and in the college's own engine room. Students will undertake basic safety training and instruction prior to taking up seagoing work placement with a shipping company.

Electro Technical Officers of a high standard are particularly sought after within the cruise line industry. There are also a number of opportunities ashore in a wide variety of fields including marine electronic maintenance and aviation instrumentation maintenance industries. Starting Salary after graduation (general guideline only): 25,000 - 35,000. Successful completion of the BEng in Marine Electrotechnology qualifies graduates to apply for a Certificate of Competency Electro Technical Officer.

Further Studies

For details, contact nmci

There are opportunities for further study in related fields at the honours degree level. Graduates will be well placed to pursue further studies in either electrical or electronic engineering.

Module Information

<http://www.cit.ie/course>

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.

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

