



Bord Iascaigh Mhara
Irish Sea Fisheries Board

Careers at Sea



A Guide to Training Fishing Vessel Engineer



WAVING OR DROWNING?

**LIVE TO TELL THE TALE.
ALWAYS WEAR YOUR LIFEJACKET.**



No good fisherman plans to end up in the water. Wearing the new GPS-enabled lifejacket means you can be found - and found alive - the day things don't go to plan. It's the difference between being lost or found.

Fishing Vessel Engineer

BIM offer a Department of Transport, Tourism and Sport accredited initial training course which, following 12 months sea service allows students to apply for an oral exam leading to a Department of Transport, Tourism and Sport Engineering Officer Class 3 Certificate of Competency (Fishing Vessel). This enables the students to commence their career as an engineer on board commercial fishing vessels.

Course Entry Requirements:

- At least Junior Certificate Standard or equivalent
 - C or higher in Mathematics, Science and English
 - C or higher in Metalwork/Woodwork or Mechanical Drawing
- A Seafarer's Medical Certificate approved by DTTAS
- At least 16 years of age
- Candidates are selected by interview

Class 3 Certification Course Content:

| | | Level | Credit Value |
|--------|--------------------------------------|-------|--------------|
| 5N1608 | Engineering Workshop Processes | 5 | 15 |
| 5N4628 | Marine Engineering Processes | 5 | 15 |
| 5N5069 | Marine Engine Operations | 5 | 15 |
| 4N2886 | Milling | 4 | 10 |
| 4N2890 | Turning | 4 | 10 |
| 3N0917 | Oxy Acetylene Welding | 3 | 5 |
| 3N0918 | Manual Metal Arc Welding | 3 | 10 |
| 5N0690 | Communications | 5 | 15 |
| 5N1356 | Work Experience | 5 | 15 |
| 5N1437 | Control Systems | 5 | 15 |
| 5N1607 | Engineering Drawing | 5 | 15 |
| 5N1794 | Safety and Health at Work | 5 | 15 |
| 5N2136 | Engineering Workshop Theory | 5 | 15 |
| | Safety Training - BST, Fire Fighting | | |

* Following their shore based training, students are required to arrange their 12 months qualifying sea service in an engineering capacity on board commercial fishing vessels, with main engines in excess of 750kW, to gain hands-on experience to be eligible to apply for the oral examination leading to a Certificate of Competency Class 3. During this time written assignments are completed and tasks are recorded in an on-board Training Record Book.

Qualifications available

QQI Engineering Technology Certificate following successful completion of eight (8) approved QQI Modules.

QQI Minor Awards in Bench Fitting/Milling Manual Arc and Gas Welding.

DTTAS Class 3 Certificate of Competency Engineer Officer (Fishing Vessel) following successful completion of all initial training and 12 months qualifying sea service.

During shore based training, students may also study DTTAS General Engineering Science 1 & 2 subjects towards obtaining a DTTAS Class 2 Certificate of Competency Engineering Officer (Fishing Vessel).

Fishing Vessels are required by the Department of Transport, Tourism and Sport to carry certified Engineering Officers according to the registered power of the vessel indicated below.

| Qualified Engineer Officers required to be carried on a Fishing Vessel | |
|--|--|
| Registered Power in Kilowatts (kW) | Minimum Classes of Certificates Required |
| 3000 kW and over | Class 1, 2 and 3 |
| 2000 kW to 3000 kW | Class 1 and 3 |
| 750 kW to 2000 kW | Class 2 and 3 |

Conversion Rate: 1kW = 1.34HP

Engineering Officers must also fulfil the following:

Requirements for Engineer Officer (Fishing Vessel) Certificate of Competency

- EU Citizen*
- At least 18 years of age
- Seafarer's Medical Certificate approved by the Department of Transport, Tourism and Sport
- Have completed all mandatory safety training

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Who to contact at BIM

Fisheries Development and Training Division

Training Services Section
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Coastal Training Unit No. 1:

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Coastal Training Unit No. 2:

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Seafood Development Centre (SDC)

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National Fisheries College of Ireland (NFCI)

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