

# ENGINEER OFFICER CADET (MERCHANT NAVY)

3 year programme, with time at NAFC Marine Centre UHI and onboard ships

## Introduction

As a cadet you will be employed by a shipping company which will pay you a training allowance (and pay all your fees and expenses) throughout your training. You will learn through periods of study at NAFC alternating with periods spent working at sea as a trainee onboard ships (see below).

When you finish the cadet programme you will be qualified to work as a junior deck or engineer officer on ships anywhere in the world, or will be able to progress to further study.

## Entry Requirements

Candidates must:

- Minimum of four National 5s (or GCSE or Standard Grade passes at Grade C/3 or above), including English, Mathematics and a Science based subject.
- Must be a National of the UK or an EU Member State and hold a passport of the UK or an EU Member State.
- Must have been resident in the UK for at least 12 months (some sponsoring shipping companies require up to 36 months of UK residence).
- Must pass a medical examination (known as 'ENG1') to demonstrate that you are physically and mentally fit to work at sea.

## Phases

The cadet training programme is divided into five blocks or phases, three of which are spent at studying at NAFC and two working on ships at sea:

- Phase 1 (NAFC): 29 weeks
- Phase 2 (Sea): 23 weeks\*
- Phase 3 (NAFC): 42 weeks
- Phase 4 (Sea): 41 weeks\*
- Phase 5 (NAFC): 14 weeks

\* Sea phases include time spent at sea on ships and periods of leave between voyages. You will spend about 9 months at sea in total during your engineer officer cadetship.

## Course Content

The programme covers a wide range of subjects relevant to the duties of ships' officers, including: Safety, sea survival, first aid & fire fighting; Mathematics; Naval architecture, ship construction & stability; Statics & strength of materials; Dynamics & thermodynamics; Marine heat engines; Propulsion systems; Auxiliary systems; Electric motors, generators and electrical systems; Control systems and Workshop skills.