

Purpose Statement

Level 3 Award in Vessel Stability (RQF)

The primary purpose of this qualification is to prepare you for further learning/training and/or to develop skills in a subject area. This qualification was developed by The Marine Society and is designed to equip you with the necessary mathematical and science skills to enable and enhance your career opportunities at sea.

Who is it for?

This course is for you if you wish to enter into a career at sea. It is suitable if you wish to become a sea cadet or are a sea cadet and wish to prepare for more advanced work at sea.

What does this qualification cover?

In order to gain the Level 3 Award you will need to complete a 4 credit unit in Stability for Marine Engineers. This equates to 40 hours of learning.

You will learn about:

- The effect of a fluid at rest
- Stability in terms and definitions of:
 - Centre of gravity
 - Centre of buoyancy
 - Metacentric height (box shape only)
 - List
 - Loll
 - Free Surface Effect and effect on G
 - Righting Level GZ
 - Permeability
- Vessel stability and flotation
- Basic transverse stability calculations

Your learning will be set within a nautical context, so that you can transfer these skills to practical seafaring situations.

What are the Entry Requirements?

It is recommended that you have a Level 2 qualification in Mathematics prior to starting this qualification.

There are no age restrictions for working towards this qualification, although it is anticipated that you will be over 16.

What are the Assessment Methods?

You will be able to complete this course either by an one hour online multiple choice questionnaire (MCQ) with a minimum pass mark of 60%, or by a portfolio of evidence.

What are the Progression Opportunities?

The qualification provides a mechanism for you to recognise and develop your mathematical skills for further study ie:

- Level 3 in Maritime Mathematics
- HNC/HND Nautical Science programme
- STCW Certificate of Competency (Deck Officer Class 3)
- A Level Mathematics

Who supports this qualification?

This qualification was developed and supported by the Marine Society and Sea Cadets along with London Nautical School