

Approved Engine Course

You're at the right place if you want to advance your megayacht career. PYT's Approved Engine Course offers the best value in price and time efficiency plus you'll get the highest standards of maritime instruction anywhere. This MCA recognised course gives you a basic knowledge of marine diesel engines, pollution legislation and the use of LP Gas at sea, providing an introduction to yacht engineering courses which meets the MCA engineering requirements on smaller vessels.

This is the fundamental entry level of training, which allows people with the bare minimum of experience and those with non-maritime technical training entry to the industry-specific training and certification as laid down by the MCA.

Yacht Engineers in demand worldwide

Properly qualified Yacht Engineers are currently very much in demand because of an oversupply of Deck Officers. The MCA'S requirements for engineering qualifications were perceived as more onerous than for the deck department and many aspirant engineers opted for Yachtmaster deck officer training instead. One's resume and job prospects will be greatly enhanced by adding basic engineering qualifications to a deck officer certification.

The progression through the ranks is very similar to the deck officer career course with a series of shore based courses, oral examination and experience needed to earn the various certificates of competence. Qualifying experience for all the higher engineering qualifications is only recognized if the person holds an AEC so no progress is possible without this certificate.

In terms of the MCA requirements for commercially and privately operated yachts and sail training vessels, the progression for engineering qualifications is from the basic **Approved Engine Course (AEC)** to the **Marine Engine Operators Licence (MEOL)** and then the three levels of **Chief Engineer: Y4, Y3, Y2 and Y1**.

Note that only approved training providers are authorized to offer MCA approved engineering training.

There are basic entry requirements for this course and the award of the AEC Certificate is dependent upon the following:

- i) Not less than 1 month's service as a yachts engineer.
- ii) Completion of the basic safety training (STCW 95 compliant)
- iii) Medical Certificate
- iv) Not less than 18 years of age

NOTE: The shore based course can be attended without satisfying the necessary requirements listed above, however, certification will be withheld until such time as the requirements have been met and proof is submitted.

PYT will continue to develop and accredit further modules for the engineering candidates in the industry. The immediate courses will be the MEOL Oral Prep course, followed by balance of the shore based courses for the Y4 certification. These include Marine Diesel Engineering, Auxiliary Equipment and Basic Ship Construction and Operational Procedures and Basic Hotel Services

What are the advantages of holding an AEC?

Properly qualified Yacht Engineers are very much in demand at the moment because of an over-supply of Deck Officers. The MCA's requirements for engineering qualifications were perceived as more onerous than for the deck department and many aspirant engineers have opted for Yachtmaster training instead.

Qualifying experience for all the higher engineering qualifications is only recognized if the person holds an AEC so no progress is possible without this certificate.

Also, Captain/Engineers of smaller yachts will find their job prospects greatly enhanced if their resume includes basic engineering qualifications as well as Deck Officer certification.

What does the course consist of?

Over the 30 hour (five day) duration of the course the following topics are covered in respect of diesel engines:
General principles of compression ignition engines
Cycle of operation and construction details

Fuel system
Role of air in the combustion process
Cooling, lubrication and electrical systems
Power transmissions
Hull fittings
Pollution legislation
Code of Safe Working Practices
Bottled LPG installations

The four basic STCW '95 modules are also requirement for a certificate to be issued.

What does the exam consist of?

Candidate's practical ability is continuously assessed throughout the course and there is a one-hour written exam at the end.