

ATLANTIC YACHTING

SAIL & POWER TRAINING Langebaan, South Africa

APPROVED ENGINE COURSE (AEC)

Courses are presented throughout the year; please contact us for dates and prices

Pre Requisites	: Those with no formal engineering training must have completed one month's vessel experience : Hold a current ENG1 medical fitness certificate : Have completed the compulsory STCW 95/2010 course
Duration	: 5 days
Minimum Age	: 18 years old
Where	: Durban or Simonstown

What is the AEC course about?

The Approved Engine Course (AEC) is the entry-level qualification to work aboard commercial yachts. It's widely recognised as the first step on the ladder for those seeking jobs within the deck and engineering departments on board a superyacht, or those who wish to skipper a smaller yacht. It's also the first-level qualification for those wishing to undertake the [MCA Officer of the Watch Certificate of Competency \(MCA OOW CoC\)](#).

The AEC is a five day course. It provides the practical hands-on training and theoretical knowledge of diesel engines and associated systems to enable you to work on board a superyacht (24 metres and above) as an engineer or dual-deck engineer.

Overview of course content:

AEC - 5 Days (excludes accommodation and food)

The course includes practical sessions as well as all the theory requirements and will cover:

- The principles of two and four-stroke engine operation
- The construction of engines
- The role of air in the combustion process
- Fuel systems
- Cooling systems
- Lubrication systems
- Engine-electrical systems

- Power transmission
- Hull fittings
- Fault-finding and rectification
- Safe working practices
- Bottled gas installations
- Pollution prevention

Included:

- Course completion Certificate

Excluded:

- Transport

What you need to bring with you: