

**Reference No**

003/500

Duration

53 weeks

LocationHMS
COLLINGWOOD**IELTS**

6.5

Frequency9 courses
per year

PETTY OFFICER ENGINEERING TECHNICIAN QUALIFYING COURSE (POETQC)

AIM OF COURSE

The course aims to equip students with the engineering, administration and leadership skills essential to work as electrical and electronic systems engineers. Through work based learning and a high level of integration of electronic, control and electrical theory and practice, students develop real world competencies in support of complex and integrated engineering systems. This is provided in a challenging, stimulating and self rewarding study environment.

RELATED COURSES

- ◆ Engineering Technician Basic (ETQC)
- ◆ Leading Engineering Technician Qualifying Course (LETQC)

ENTRY STANDARDS

- ◆ Fluent in English including technical terms
- ◆ Successfully completed Leading Engineering Technician Qualifying Course
- ◆ Must be Leading Hand or equivalent

EXAMINATIONS/QUALIFICATIONS GAINED

- ◆ Continuous criteria assessment and final examination in all modules of the course
- ◆ Award of Foundation degree from Portsmouth University for successful completion of Leading Engineering Technician and Petty Officer Engineering Technician Qualifying Courses
- ◆ Post course recommendations
- ◆ To gain practical experience at sea

REMARKS

Where possible International students attending both the Leading Engineering Technician Qualifying Course and the Petty Officer Engineering Technician Qualifying Course, for the award of a Foundation degree, will do so by attending the Petty Officers course that commences as soon as possible after the completion of the Leading Engineering Technicians course thus making a continuous course.

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OUTLINE SYLLABUS

- ◆ Mathematics
- ◆ Electrical engineering science
- ◆ Electrical & electronic principles
- ◆ Electronics C
- ◆ Electronics D
- ◆ Combinational & sequential logic
- ◆ Micro processor systems
- ◆ Micro controllers
- ◆ RF techniques
- ◆ Radio communications principles
- ◆ Advanced information systems
- ◆ Electro-optics imaging
- ◆ Control A
- ◆ Control B
- ◆ Testing/tuning
- ◆ Fluid power
- ◆ Gyros
- ◆ WE administration
- ◆ Sonar principles
- ◆ Radar principles
- ◆ Electronic warfare
- ◆ WE & explosive safety
- ◆ Engineering design & project
- ◆ General administration