

**Reference No**

003/500

**Duration**

26 weeks

**Location**HMS  
COLLINGWOOD**IELTS**

6.5

**Frequency**9 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
- ◆ Microprocessor 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