

# ROYAL ENGINEERS "A TRADE FOR LIFE"

## ME TRADESMAN and EOD & S - Entry Requirements: Maths D/3 English D/3 Other D/3 or equivalent



### PLANT OPERATOR

**Tasks:** Operate and maintain earth moving and construction vehicles. Servicing and minor repairs to equipment, documentation and basic surveying.  
**Qualifications Gained:** Level 2 in Plant Operations (Excavating Plant) - NVQ Technical Certificate - CPC cards.  
**Licences:** Cat B, C, C+E, G and H.



### BRICKLAYER & CONCRETOR

**Tasks:** Construction tasks, including brickwork, planning, setting out, scaffolding and concreting. Improving existing infrastructure and constructing new buildings from the foundations up.  
**Qualifications Gained:** Level 2 & 3 Diploma in Bricklaying and Concreting - Level 2 in Construction Building - NVQ Technical Certificate.  
**Licences:** Nil.



### FABRICATOR & WELDER

**Tasks:** Capable of shaping metal by forging, bending and joining. Fabricate and repair low and medium-carbon steel components, plus welding, metal cutting, filing, grinding, drilling and threading.  
**Qualifications Gained:** Level 2 in Fabrication and Welding - NVQ Technical Certificate - Level 3 NVQ in Fabrication and Welding Engineering (Manual Welding).  
**Licences:** Nil.



### CARPENTER & JOINER

**Tasks:** Manufacture, modify or repair parts of buildings that require timber products, using woodworking machinery and hand tools. Read design drawings and design timber structures.  
**Qualifications Gained:** Level 2 & 3 Diploma in Carpentry & Joinery - C&G Level 2 Apprenticeship in Wood Occupations (Site Carpentry) - NVQ Technical Certificate.  
**Licences:** Nil.



### BUILDING & STRUCTURAL FINISHER

**Tasks:** Spray painter, sign maker, glazier, roofer, tiler, plasterer, dry-liner, floor finisher and painter. Tasks include preparing surface treatment for preservation, hygiene, decoration, identification and camouflage.  
**Qualifications Gained:** Level 2&3 Diploma in Building & Structural Finishing. Edexcel Level 2 in Maintenance, a NVQ Technical Certificate.  
**Licences:** Nil.



### EOD & SEARCH

**Tasks:** Explosive Ordnance Disposal and Search specialists are trained to locate and safely dispose of a variety of explosive devices dropped from the air, found in the ground or sea. These include bombs, booby traps, shells, rockets and chemical warfare.  
**Qualifications Gained:** Level 2 & 3 working in High Risk confined spaces (water) - C&G Level 3 in emergency rescue and recovery of casualties from confined spaces (water) - C&G  
**Licences:** Nil.



### GEOGRAPHIC TECHNICIAN

**Tasks:** Compile, prepare and manage geographic data from a variety of sources. Terrain analysis using cutting-edge technology to provide geographic support.  
**Qualifications Gained:** Bachelor's Degree in Applied Computing and Field Science.  
**Licences:** Cat B and C.

## ME SUPPORT SPECIALISTS - Entry Requirements: No Minimum Level\*



### LOGISTICS SPECIALIST

**Tasks:** Obtain, control, maintain and issue resources for construction and combat engineering tasks (construction materials, chemicals, bridges, specialist tools).  
**Qualifications Gained:** Level 2 in Warehouse and Storage - NVQ Technical Certificate.  
**Licences:** Cat B, C, C+E and Forklift.  
 \*Entry Requirements Maths D/3 English D/3 Other D/3 or equivalent



### C3S COMMUNICATIONS

**Tasks:** Establish and maintain essential radio communications in the field to ensure all elements can communicate using hi-tech communications equipment.  
**Qualifications Gained:** Level 2 & 3 in Professional Competence for IT and Telecoms Professionals - NVQ Technical Certificate.  
**Licences:** Cat B and C



### DRIVER

**Tasks:** Drive and operate a variety of vehicles on and off-road, in all conditions, day and night. Transport resources and personnel to vital locations. You can specialise in crane, tank transporter, automotive bridging equipment and self-loading dump truck operation.  
**Qualifications Gained:** Transportation of Hazardous Materials (HAZMAT).  
**Licences:** Cat B, C and C+E.



### ARMOURED ENGINEER

**Tasks:** Operate, repair and service large armoured vehicles designed to breach enemy obstacles by quickly laying bridges or ploughing through minefields. Vital to the battlegroup's mission success.  
**Qualifications Gained:** Level 2 in Engineering Maintenance and Installation (Mechanical Maintenance) - NVQ Technical Certificate - Level 3 Certificate in Military Engineering (Armoured) Titan and Trojan crew supervision.  
**Licences:** Cat B, C, C+E and H

## OTHER OPPORTUNITIES



### COMMANDO

Royal Engineers Commandos work alongside the Royal Marines and operate in a variety of hostile environments. All commando sappers have passed the tough Commando Course and wear the coveted green beret.



### AIRBORNE

The Airborne Sapper works alongside the Parachute Regiment in the Air Assault Brigade and is trained to parachute with weapons and full equipment into an operational zone. All volunteers have to pass P Company; they wear the famous maroon beret and earn extra pay.



### DIVER

The Royal Engineers Diver is commercially trained to exacting standards to a depth of 50m, and has to complete normal sapper tasks such as demolitions, welding, concreting and construction underwater. All this adds responsibility and extra pay.

## ME SPECIALIST - Entry Requirements: Maths C/5 English C/4 Other C/4 or equivalent



### CONSTRUCTION MATERIALS TECHNICIAN

**Tasks:** Provide critical design information on materials in use during construction tasks. Investigation and testing of materials such as soils, aggregates, concrete and bitumen.  
**Qualifications Gained:** Level 3 & 5 Diploma in Construction Materials Technology.  
**Licences:** Cat B and C.



### SURVEYOR

**Tasks:** Complete land and hydro-graphic surveying to produce accurate survey plans of land and inshore waters as a basis for the design of roads and other structures.  
**Qualifications Gained:** Level 3 & 5 Diploma in Engineering Survey (Military Engineering)  
**Licences:** Cat B.



### DESIGN DRAUGHTSMAN

**Tasks:** Design buildings, engineering structures and installations. Produce detailed and accurate plans.  
**Qualifications Gained:** Level 3 & 5 Diploma for Construction Draughtsman (Military Engineering).  
**Licences:** Cat B.



### DESIGN DRAUGHTSMAN ELECTRICAL & MECHANICAL

**Tasks:** Design a wide range of systems including heating, water and electrical power. Produce detailed and accurate plans, allowing the tradesmen to complete projects.  
**Qualifications Gained:** Level 3 in 2D CAD - Level 3 & 5 Diploma in Military Engineering.  
**Licences:** Cat B.

## ME TECHNICIAN - Entry Requirements: Maths C/5 English C/4 Other C/4 or equivalent



### FITTER AIR CONDITIONING & REFRIDGERATION

**Tasks:** Install, operate and maintain a variety of industrial, commercial and domestic refrigeration and air conditioning equipment.  
**Qualifications Gained:** Level 2 in F Gas and ODS regulations - Level 2 in Refrigeration and Air conditioning CPD pathways.  
**Licences:** Cat B.



### FITTER GENERAL

**Tasks:** Repair and service petrol and diesel engines, generators, pumps, hydraulic and transmission systems.  
**Qualifications Gained:** Level 2 & 3 NVQ Diploma in Engineering Maintenance and Installation (Mechanical) - NVQ Technical Certificate.  
**Licences:** Cat B, C and C+E.



### ELECTRICIAN

**Tasks:** Electrical technology, electrical regulations and the principles of power generation, distribution and utilisation.  
**Qualifications Gained:** Level 3 in the Requirements for Electrical Installations (18th Edition) - Level 3 & 4 in Electrotechnical Studies and Practice (Military Engineering) - Level 3 in Electrical Installations - Level 3 award in Initial and Periodic Inspection and Testing of Electrical Installations.  
**Licences:** Cat B.



### HEATING & PLUMBER

**Tasks:** Assemble, install, maintain and repair hot and cold water supply systems in natural and liquid petroleum gas supply systems, sanitation, drainage, waste disposal systems, central heating systems and roof drainage.  
**Qualifications Gained:** Level 2 in Plumbing & Heating - NVQ Technical Certificate - Functional Skills.  
**Licences:** Nil.

## Soldier - Combat Engineer - Tradesman

Few careers can match the diversity, training and breadth of experience we offer to young soldiers and officers with the right combination of intelligence, courage and determination. The corps of Royal Engineers has a role in every area of the battlefield. At the front we support the rest of the army, bridging rivers, clearing routes through minefields or using explosives to gain entry into buildings and destroy bridges.

Behind the front line we improve transport routes, construct camps, build runways and carry out explosive disposal. We also use our specialist skills to help rebuild after the conflict. We provide humanitarian support in the form of water production, electrical supply, infrastructure and support to medical facilities, which provide essential healthcare to local people. Wherever we are, our skill and versatility is a match for any challenge.

## Enabling Defence To Live - Move - Fight



**www.army.mod.uk**  
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