



Royal Engineers – Engineering Skills For Life







Soldier- Combat Engineer-Tradesman

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



Military Engineer Specialists - Entry Requirements: Maths C/5 English C/4 Other C/4 or equivalent

<p>CONSTRUCTION MATERIALS TECHNICIAN</p>  <p>Job Role: 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 Material Technology</p>	<p>DESIGN DRAUGHTSMAN</p>  <p>Job Role: Design buildings, engineering structures and installations. Produce detailed and accurate plans. Qualifications Gained: Level 3 Award in 2D Computer Aided Design, Level 3 & 5 Diploma for Construction Draughtsman (DAO).</p>	<p>SURVEYOR</p>  <p>Job Role: 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.</p>	<p>DESIGN DRAUGHTSMAN ELECTRICAL & MECHANICAL</p>  <p>Job Role: Design a wide range of systems including heating, water and electrical power. Produce detailed and accurate plans for tradesmen to follow. Qualifications Gained: Level 3 Award in 2D Computer Aided Design, Level 3 & 5 Diploma for Electrical & Mechanical Draughtsman.</p>
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Military Engineer Technician - Entry Requirements: Maths C/5 English C/4 Other C/4 or equivalent

<p>HEATING & PLUMBER</p>  <p>Job Role: 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 Diploma in Plumbing.</p>	<p>FITTER GENERAL</p>  <p>Job Role: Repair and service petrol and diesel engines, generators, pumps, hydraulic and transmission systems. Qualifications Gained: Level 2 Diploma in Engineering Maintenance & Installation, Level 3 NVQ Diploma in Engineering Maintenance.</p>	<p>ELECTRICIAN</p>  <p>Job Role: Electrical technology, electrical regulations and the principles of power generation, distribution and utilisation. Qualifications Gained: Level 3 Award in the Requirement for Electrical Installations, Level 3 & 4 Diploma in Electrotechnical Studies and Practice, Level 3 Award in Initial and Periodic Inspection and Testing of Electrical Installations.</p>	<p>FITTER AIR CONDITIONING & REFRIGERATION</p>  <p>Job Role: Install, operate and maintain a variety of industrial, commercial and domestic refrigeration and air conditioning equipment. Qualifications Gained: Level 2 Award in F Gas and ODS Regulations, Level 2 Refrigeration and Air Conditioning CPD Pathway, Hydrocarbons Qualification.</p>
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Military Engineer Support Specialist - Entry Requirements: No Minimum Level*

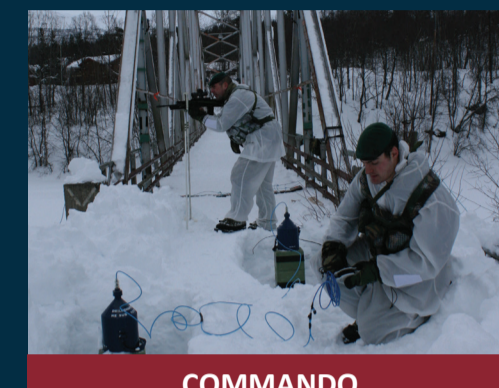
<p>Physical Requirements</p> 	<p>Maths C/5 English C/4 Other C/4</p> <p>GEOGRAPHIC TECHNICIAN</p>  <p>Job Role: Compile, prepare and manage geographic data from a variety of sources. Terrain analysis using cutting-edge technology to provide geographic support. Qualifications Gained: University Certificate of Higher Education.</p>	<p>LOGISTICS SPECIALIST</p>  <p>Job Role: Obtain, control, maintain and issue resources for construction and combat engineering tasks Qualifications Gained: Level 2 Diploma in Warehousing and Storage Skills.</p>	<p>IT SYSTEMS OPERATOR</p>  <p>Job Role: 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 Diploma in Professional Competence for IT and Telecoms Professionals.</p>	<p>DRIVER</p>  <p>Job Role: 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: Level 2 Certificate in Driver Goods Vehicle, Level 3 Diploma in Driver Goods Vehicle or Certificate in Transporting Freight by Road.</p>	<p>ARMOURD ENGINEER</p>  <p>Job Role: Operate, repair and service large armoured vehicles designed to breach enemy obstacles by quickly laying bridges or ploughing through minefields. Vital to a battlegroup's mission success. Qualifications Gained: Level 2 Diploma in Engineering Maintenance, Level 3 Certificate in Military Engineering T2.</p>
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Military Engineer Tradesman - Entry Requirements: Maths D/3 English D/3 Other D/3 or equivalent

<p>PLANT OPERATOR</p>  <p>Job Role: Operate and maintain earth moving and construction vehicles. Servicing and minor repairs to equipment, documentation and basic surveying Qualifications Gained: Level 2 Diploma in Plant Operations Construction, CPCS Card and H&S Test</p>	<p>BRICKLAYER & CONCRETOR</p>  <p>Job Role: 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 in Trowel Occupation, Level 2 & 3 Diploma in Bricklaying & Concreting.</p>	<p>FABRICATOR & WELDER</p>  <p>Job Role: 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 Diploma in Fabrication and Welding Engineering, Level 3 NVQ Diploma in Fabrication and Welding Engineering/Manual Welding.</p>	<p>CARPENTER & JOINER</p>  <p>Job Role: 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 Diploma in Wood Occupations, Level 2 & 3 Diploma in Carpentry and Joinery.</p>	<p>BUILDING & STRUCTURAL FINISHER</p>  <p>Job Role: 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 Diploma in Construction Maintenance Operations, Level 2 & 3 Diploma in Building & structural finishing.</p>	<p>EXPLOSIVE ORDNANCE DISPOSAL & SEARCH</p>  <p>Job Role: Explosive Ordnance Disposal and Search specialists are trained to locate and safely dispose of a variety of explosive devices. Qualifications Gained: Level 2 Award in Working in High Risk Confined Spaces: Water, Level 3 Award in Emergency Rescue and Recovery of Casualties in Confined Spaces: Water, Level 3 Award in Top Man – Persons for High Risk Confined Spaces: Water, First Aid at Work.</p>
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AIRBORNE
The Airborne Sapper works alongside the Parachute Regiment and is trained to parachute with weapons and full equipment. All volunteers have to pass P Company; they wear the famous maroon beret and earn extra pay



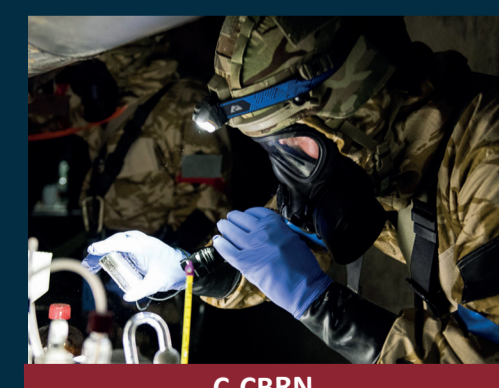
COMMANDO
Royal Engineers Commandos work alongside the Royal Marines and operate in a variety of hostile environments. All Commando Sappers have passed the tough Commando Course and wear the coveted green beret.



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.



AMPHIBIOUS
23 Amphibious Sqn uses the M3 Amphibious Bridging Vehicle which can be driven into a river and used as a ferry or bridge, when a number are joined together from bank to bank.



C-CBRN
28 Engineer Regiment (C-CBRN) is the lead for delivery of Specialist C-CBRN capability on behalf of UK Defence. It focuses on countering Chemical, Biological, Radiological and Nuclear (C-CBRN) hazards in the environment.

Specialist Roles

