

# Engineering Courses

## Clerk Of Works (Mechanical)

Course No: 410/003

Aim of Course	Outline of Syllabus	Remarks
<p>To instruct Non Commissioned Officers in the duties of a Military Clerk of Works (Mechanical).</p>	<p>Phase 1: Foundation Stage (within the Science and Computer Branch)</p> <ul style="list-style-type: none"> <li>• Physics, Maths, Mechanics, Materials, Controls, Computers.</li> </ul> <p>Phase 2: General Mechanical Engineering</p> <ul style="list-style-type: none"> <li>• Thermodynamics</li> <li>• Climatology</li> <li>• Heating and domestic hot water supplies</li> <li>• Ventilation and air conditioning</li> <li>• Refrigeration and cold storage</li> <li>• Hydraulics, water supply and bulk fuel supply</li> <li>• Power transmission machinery</li> <li>• Production and utilisation of steam</li> <li>• Engineering Workshop Practice</li> </ul> <p>Phase 3: Associated Technology</p> <ul style="list-style-type: none"> <li>• Managerial training in site supervision, organisation of works and labour, maintenance techniques, workshop management including inspection and quality control and procedures</li> <li>• Civil Engineering.</li> <li>• Electrical Engineering (working knowledge only on subjects covered by Clerk of Works (Electrical)).</li> </ul> <p>Phase 4: Confirmation</p> <ul style="list-style-type: none"> <li>• Civilian Attachment</li> <li>• Final Integrated Project</li> </ul>	

Rank Range	Entry Standards	Duration	Qualifications gained	Frequency
Corporal to Staff Sergeant	IELTS level 5.5. Experience equivalent to a Royal Engineers' Class 1 qualification in a Mechanical or Fitter or Draughtsman Electrical & Mechanical trade.	90 training weeks	University of Greenwich Foundation Degree in Building Services Engineering. Site Safety Certificate (CITB).	1 course per year

Contacts	IDT(A)1	IDT(A)2	IDT(A)3	IDT(A)
	Tel: +44 1980 615629 email: idta1-ops@artd.mod.uk	Tel: +44 1980 615624 email: idta2-ops@artd.mod.uk	Tel: +44 1980 615685 email: idta3-ops@artd.mod.uk	Fax +44 1980 618079