

Engineering Courses

Professional Engineer Training (Civil) MSc Course No: 410/103

Aim of Course	Outline of Syllabus	Remarks
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To prepare Specialist Engineering Officers to design, plan and control a wide variety of Civil Engineering tasks. The course culminates in the award of an MSc in 'Military Construction Engineering' and if successful, attainment of Chartered Engineer status and Membership of the Institution of Civil Engineers.

The training is in 4 phases:

- Phase 1:
6 months spent at the RSME undertaking post graduate engineering studies. Failure at this stage will preclude the student from continuing with the course.
- Phase 2:
9 months spent on attachment to a Civil Engineering Contractor's Site in the post of a Site Engineer (or similar). The student will be required to deal with other engineers and workmen at all levels. The student is required to submit a number of site and technical experience reports. Students should be aware that Phase 2 of this course can involve very long hours of work on cold remote construction sites where they will be taught and directed by civilians.
- Phase 3:
7 months spent on attachment to a Civil Engineering Consultancy as a Design Engineer. The student will be required to produce drawings, design calculations, specifications and bills of quantities for real projects, whilst completing further written work including preparation of MSc thesis.
- Phase 4:
2 weeks spent at the RSME in which students present on their attachments and may receive a viva voce on their thesis.

Rank Range	Entry Standards	Duration	Qualifications gained	Frequency
Lieutenant to Major	IELTS level 7. Equivalent of a UK BSc(Eng) or B Eng/M Eng in a relevant subject. Copies of certificates and degree transcripts should be sent to IDT(A) at the time of application. Final acceptance will be made by Cranfield University which validates MSc and the Institution of Civil Engineers whose academic requirements for membership must be satisfied.	2 years (112 weeks)	The Institute of Civil Engineers recognises attendance on this course towards its requirements for Chartered Membership. MSc in Military Construction Engineering.	1 course per year

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