

DACMT Courses

Gun Systems Design MSc Course No: 402/020

Aim of Course	Outline of Syllabus	Remarks
<p>Suitable for those seeking a course allowing for specialisation while learning the principles of gun technology.</p>	<p>The activity of design is central to the Gun Systems Design course and all students are required to demonstrate their understanding of design.</p> <p>We give special attention to the study of recent advances in defence technology, and to training the student in the analysis and evaluation of new concepts against changes and developments in the threat.</p> <p>The modular teaching programme culminates in an integrating Design Synthesis module. This draws together the material taught in the preceding modules and considers the design of the whole weapon system, examining the compromises necessary to achieve an optimum operational performance.</p> <p>The academic instruction includes user needs, constraints on design and a variety of subjects pertinent to gun design. It is supplemented by a programme of visits to military units, defence equipment manufacturers and government establishments, and presentations by visiting lecturers.</p> <p>In addition to the taught part of the course, students participate in a group design project from April to July. The aim of this is to enable students to develop their expertise in engineering research, design or development.</p> <p>The course normally involves full-time attendance for one year. However, as an alternative, students can do their studies over several years until they have successfully completed sufficient modules to attract this award.</p>	<p>Capacity is 15 personnel.</p>

Rank Range	Entry Standards	Duration	Qualifications gained	Frequency
	<p>IELTS level 7. Normally a 1st or 2nd class honours degree in engineering, science or mathematics. Applicants who do not meet these requirements may be considered if they have sufficient relevant practical experience.</p>	<p>One year full-time, up to five years part-time</p>		<p>1 course per year, starting in September</p>

<p>Contacts</p>	<p>IDT(A)3 Tel: +44 1980 615685 email: idta3-ops@artd.mod.uk</p>	<p>IDT(A) Fax +44 1980 618079</p>
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