

DACMT Courses

Systems Engineering for Defence Capability MSc/PgDip/PgCert Course No: 402/029

Aim of Course	Outline of Syllabus	Remarks
<p>Takes you on to impressive career prospects across a range of roles commensurate with your experience. This includes membership of multi-disciplinary teams in acquisition, supply or research organisations. This could be in both general SE roles or as a focal point for specific skills in such as ARM, human factors, requirements, architecture test and evaluation, etc. It is also applicable to key roles in MOD acquisition such as IPT leader, capability manager and requirements manager.</p> <p>Assessment Coursework, examination and an individual research project (only for the MSc).</p>	<p>For the Systems Engineering for Defence course, we offer two variants of the MSc, PgDip and PgCert programmes of study:</p> <ul style="list-style-type: none"> • full-time • flexible part-time <p>Both variants are delivered by a combination of electronic learning and classroom based lectures, workshops and exercises.</p> <p>The taught phase provides a comprehensive coverage of modern systems engineering principles, practices, methods and tools, and places great emphasis on their practical application.</p> <p>The modules offered cover:</p> <ul style="list-style-type: none"> • Introduction to Defence Capability and Systems Engineering • Systems Engineering Lifecycle Processes, including Architecture Frameworks • Systems Analysis Techniques, Simulation and Synthetic Environments • Human Factors, Availability, Reliability and Maintainability • Applied SE workshops (series of 3 workshops in which SE is applied to realistic problems) <p>Project (MSc only): Students undertake an individual research project based on a real-world subject of direct relevance to their needs and those of their sponsors, aimed at delivering real benefit from the application of Systems Engineering.</p>	<p>Capacity is 20 - 30 personnel.</p>

Rank Range	Entry Standards	Duration	Qualifications gained	Frequency
	<p>IELTS level 7. Normally a 1st or 2nd class honours degree in an appropriate discipline, or equivalent, plus relevant postgraduate professional experience.</p>	<p>MSc One year full-time, three to five years part-time (normally requiring four to six weeks attendance per year over three years).</p>		<p>1 course per year, starting in September - full-time and part-time or January - part-time only.</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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