



Aerosystems MSc

www.cranfield.ac.uk/aerosystems

The Aerosystems course is multidisciplinary, covering the areas of uninhabited aircraft systems, guided weapons, electro-optics, communications, radar, electronic warfare and information networks. The course covers the key concepts, fundamental principles and considerations of design and critical thinking associated with the above mentioned areas.

Who is it for?

The Aerosystems MSc is open to applicants who would like to attend at part-time basis and who meet the relevant entry University criteria. It is suitable for applicants in the defence or civilian industry and procurement roles and it is designed with those in Ministry of Defence (MOD) roles that are looking to enhance their knowledge and expertise in the realm of electronic warfare, aero-engineering and role specific themes.

A UK lower second class relevant undergraduate degree with honours, as a minimum, or equivalent international qualification. If you do not meet the above entry requirements, but still feel you can demonstrate the ability to complete the course successfully, you may still be considered/accepted onto a course with a suitable lower qualification and relevant experience based on the University Handbook. Exceptional applicants may be accepted on experience alone. An interview normally will take place to explore the applicant's qualifications and relevant experience which may need further clarifications by the Course Director Team.

Your career

The Aerosystems MSc is internationally unique. Graduates, may find related openings in the MOD, civil service, the defence industry or academia.



Overview

Start date

August

Duration

Part-time - up to three years

Qualification

MSc

Study type

Part-time

Delivery

By written and practical examinations, continuous assessment and project presentation.

Campus

Cranfield University at Shrivenham

Entry requirements

We welcome applications from talented individuals of all backgrounds and each application is considered on its individual merit. Usually, applicants must hold:

A UK first or second class undergraduate degree with honours, as a minimum, or equivalent international qualification.

UK military applicants

In order to make an academic application for the course, you must first be preselected.

Fees

Please see www.cranfield.ac.uk/fees for detailed information about fee status, full-time and part-time fees as well as deposit requirements and bursary and scholarship information.

Course details

The course comprises written and practical examinations, continuous assessment and project presentation.

UK MOD students are normally expected to complete the taught phase within the first 11-months of their registration, whereas self-funded students will be expected to complete the taught phase in the first two-year period and their individual project, or thesis, during year three.

Modules

Keeping our courses up-to-date and current requires constant innovation and change. The modules we offer reflect the needs of business and industry and the research interests of our staff. As a result, they may change or be withdrawn due to research developments, legislation changes or for a variety of other reasons. Changes may also be designed to improve the student learning experience or to respond to feedback from students, external examiners, accreditation bodies and industrial advisory panels.

To give you a taster, we have listed below the compulsory and elective (where applicable) modules which are currently affiliated with this course. All modules are indicative only, and may be subject to change for your year of entry.

Compulsory modules

All the modules in the following list need to be taken as part of this course:

- **Communication Principles.**
- **Electro-Optics and Infrared Systems 1.**
- **Electro-Optics and Infrared Systems 2.**
- **Electromagnetic Propagation and Devices.**
- **Foundations of Modelling and Simulation.**
- **Guided Weapons.**
- **Information Networks.**
- **Pre Sessional Postgraduate Studies.**
- **Radar Electronic Warfare.**
- **Radar Principles.**
- **Systems Research Methods.**
- **Signal Processing, Statistics and Analysis.**
- **Uninhabited Aircraft Systems / Remotely Piloted Aircraft Systems.**

For more information contact Admissions:

T: +01234 758082

[Enquiry form.](#)

Visit campus for yourself and meet current students and our academics at our next Open Day:

[**www.cranfield.ac.uk/openday**](http://www.cranfield.ac.uk/openday)

August 2026

Every effort is made to ensure that the information provided here is correct at the time it is published. Please check our website for the latest information.