



Aerospace Vehicle Design

MSc

This MSc aims to build your knowledge of the design of flying vehicles such as aircraft, missiles, airships and spacecraft.

Select from one of three specialist options and excel in a growing aerospace industry: Aircraft Design, Avionics Systems Design or Structural Design (available for October intake only).

Graduates of this course are eligible to join the Cranfield College of Aeronautics Alumni Association (CCAAA), an active community which hold a number of networking and social events throughout the year.

Individual project

The individual research project aims to provide the training necessary for you to apply knowledge from the taught element to research, and takes place from March to September or October to February for the March intake. The project may be theoretical and/or experimental and drawn from a range of topics related to the course and suggested by teaching staff, your employer or focused on your own area of interest.

Group project

The extensive group design project is a distinctive and unique feature of this course. This teamwork project takes place from October to March, or March to August for the March intake, and recreates a virtual industrial environment bringing together students with various experience levels and different nationalities into one integrated design team.

Future career

The Aerospace Vehicle Design MSc is valued and respected by employers worldwide. The applied nature of this course ensures that graduates are ready to be of immediate use to their future employer and has provided sufficient breadth of understanding of multidiscipline design to position them for accelerated career progression. This course prepares you for careers as project design engineers, systems design, structural design or avionic engineers in aerospace or related industries, with the aim of progressing to technical management/chief engineer. Many of our former graduates occupy senior positions in their organisations, making valuable contributions to the international aerospace industry.

Example modules

The taught component of the Aerospace Vehicle Design MSc is generally delivered from October to March (or March to August for the March intake). Modules for each option vary - please refer to MSc course option pages for descriptions of compulsory modules which must be undertaken. Students also have an extensive choice of elective modules to match their specific interests.

Duration:

MSc: Full-time - one year

Start date:

October or March

Location:

Cranfield Campus

Entry requirements

A first or second class UK honours degree in a relevant subject or an equivalent international qualification or relevant work experience.

Please visit www.cranfield.ac.uk/entryrequirements for more information. Alternatively, you may be eligible for our Pre-Master's Engineering programme.

Contact details

www.cranfield.ac.uk/enquiry

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For further information please visit

www.cranfield.ac.uk/aerospacevehicledesign