This MSc aims to build your knowledge of the design of flying vehicles such as aircraft, missiles, airships and spacecraft. Select from three specialist options in order to excel in a growing aerospace industry: Aircraft Design Avionics Systems Design Structural Design (available for October intake only)

This MSc course provides a taught engineering programme with a focus on the technical, business and management aspects of aircraft design in the civil and military aerospace sectors. We have been at the forefront of postgraduate education in aerospace engineering since 1946. Aerospace Vehicle Design at Cranfield University was one of the original foundation courses of the College of Aeronautics. Graduates of this course are eligible to join the Cranfield College of Aeronautics Alumni Association (CCAAA), an active community which holds a number of networking and social events throughout the year. One unique feature of the course is that we have four external examiners, two from industry who assess the group design project and two from academia who assess the individual research project. Cranfield University is very well located for students from all over the world, and offers a range of library and support facilities to support your studies. This enables students from all over the world to complete this qualification whilst balancing work/life commitments.

Course structure
All options of this course include a taught component and an individual thesis. The Avionics and Aircraft Design options also include a group project.

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. 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, 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 course 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 graduates occupy senior positions in their organisations, making valuable contributions to the international aerospace industry.

Example modules
Modules for each option vary, please see individual course option pages for more information.

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.

Applicants who do not fulfil the standard entry requirements can apply for the Pre-master’s in Engineering programme, successful completion of which will qualify them for entry to this course for a second year of study.

Please visit www.cranfield.ac.uk/entryrequirements for more information.

ATAS Certificate
Students requiring a visa to study in the UK may need to apply for an ATAS certificate to study this course.

Contact details
T: +44 (0)1234 758083
E: studyaerospace@cranfield.ac.uk

For further information please visit
www.cranfield.ac.uk/courses/taught/aerospace-vehicle-design

Every effort is made to ensure the information on this sheet is correct at the time it was produced in October 2018. Please check the web pages for the latest information.