



MSc Aerospace Technologies

Aerospace is a priority research area for The University of Nottingham. The Faculty of Engineering launched its Institute for Aerospace Technology in 2010 which will drive development of cutting-edge technology in this key research area, with the aim of radically improving all aspects of air transport.

This masters course is a multidisciplinary taught programme which complements the research strengths of the Institute for Aerospace Technology, drawing on the expertise of staff across the faculty.

This programme will provide science or engineering graduates, from a diversity of backgrounds, with a solid grounding in current aerospace technologies, together with options to develop an emphasis in

manufacturing, advanced materials and structures, and power electronic systems. Students will gain experience of the type of problems encountered by academic and industrial researchers, both via taught modules and project work.

Students will develop:

- the ability to apply appropriate quantitative science and engineering tools to the analysis of problems
- the ability to use fundamental knowledge to investigate new and emerging technologies
- the ability to generate an innovative or creative design or solution for engineering problems, products, systems, components or processes to fulfil new needs
- the ability to communicate effectively through technical reports and technical presentations





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Course structure

The MSc in Aerospace Technologies programme is a full-time degree taught over one year and consists of 120 credits of taught modules and a 60 credit major individual project.

There are three distinct 'aerospace' streams; **Aerospace Manufacturing, Aerospace Materials and Structures** and **Aerospace Power Electronics Systems**. Students will take 60 credits of core compulsory modules and then a further 60 credits of modules in their chosen streams.

Modules

Introduction to Aerospace Technology	10 credits
Aerospace Industry Organisation	10 credits
Advanced Engineering Research Preparation	10 credits
Aerospace Technology Review	10 credits
Advanced Engineering Research Project Organisation and Design	10 credits
Advanced Engineering Research Project	60 credits

The remainder of the taught modules will come from stream specific groups, the following are examples of some of those available:

Computer Integrated and Flexible Manufacture
Processing of Engineering Alloys
Aerospace Materials
Surface Engineering Technology
Power Systems for Aerospace, Marine and Automotive Applications

Individual project

An individual research project can involve one or more of the following aspects:

- experimental study
- theoretical analysis, including computational modelling and simulation
- design and manufacturing orientated activities

Funding opportunities

Funding options can be found at:

Home and EU: www.nottingham.ac.uk/graduateschool/funding/prospectivukandeu/index.aspx

International: www.nottingham.ac.uk/internationalstudents/scholarshipsfeesfinance/scholarships/index.aspx

Employment prospects

The UK aerospace industry is the second largest in the world, directly employing 112,000 people. Most of our aerospace research is, by its nature, collaborative with industry and there is a strong pipeline of progression from fundamental research through to applied research and demonstration.

Entry requirements

Applicants should have at least a 2.1 honours degree (or international equivalent) in a related subject from a recognised university.

English language requirements:

- IELTS score of at least 6.5 with a minimum score of 6.0 in individual elements

Other qualifications are accepted

How to apply

Candidates are encouraged to apply online at:
my.nottingham.ac.uk/pgapps

Contact us

For further information, please contact:
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