



Postgraduate
master's courses in

Air Transport

Academic year 2021/22 entry

Airport Planning and Management MSc
Air Transport Management MSc
Air Transport Management (Executive) MSc

Cranfield University

We are the UK's only specialist postgraduate university in technology and management, with long-standing relationships with some of the most prestigious global companies. Our close collaboration with industry, and passion for the areas we operate in, will help your career.

Specialist postgraduate

A research-focused professional community

81%

of our research is world-leading or internationally excellent

Research Excellence Framework (REF) 2014



Over £100 million

of investment in new facilities over the past four years



Six-time winner of

the Queen's Anniversary Prize for Higher and Further Education



THE QUEEN'S ANNIVERSARY PRIZES FOR HIGHER AND FURTHER EDUCATION 2019

A professional network of **67,000+** alumni, from 169 countries

UK no.2 graduate employment

DLHE longitudinal, 2017



UK Top 5 for Engineering (Mechanical, Aeronautical and Manufacturing)
QS World University Rankings by subject, 2020

As we are postgraduate only, we are not listed in league tables that help compare undergraduate universities, such as *The Times World Rankings* and *The Complete University Guide*.

"Take every opportunity available to interact with the faculty, your fellow colleagues and guest-speakers. These will prove to be lasting conversations that will be useful both for your career and your personal development. Cranfield has helped me secure my first job at ALG. I met the hiring manager at a group project presentation, and our relationship started from there. The teamwork skills developed during the group project are serving me well in the current international environment at work."

Pietro Pontiggia, Business Analyst, ALG,
(Air Transport Management MSc, 2019)



Reasons to study air transport with us

1 Unique facilities

The only UK university campus with a fully-operational airport, the National Flying Laboratory Centre, and a retired Boeing B737-400 aircraft. Opening in 2021, the new Digital Aviation Research and Technology Centre (DARTeC) will spearhead the UK's research into digital aviation technology and other research challenges facing the industry.

2 Network opportunities

You will have numerous opportunities to meet industry representatives throughout the course. Both students and alumni are provided with access to the exclusive LinkedIn Cranfield University – Air Transport Group, which offers unrivalled networking and job opportunities.

3 Access to resources

You will have access to industry data from sources such as OAG who provide flight performance data.

4 External lecturers

We are particularly proud of the wide range of seminars and guest lectures given by global aviation industry leaders, which in the past have included the CEOs of British Airways, London Gatwick Airport, Birmingham International Airport and International Airlines Group, Chief Economist of The International Air Transport Association, and Boeing SVP.

5 Relevant projects

The opportunity to work in groups, and individually, on projects to devise solutions that tackle real-world industry challenges.

6 Strong industry links

Courses are directed by an industrial advisory committee comprising senior representatives from leading airports and associated sectors. Their input ensures that courses remain up-to-date and equip you with the skills and knowledge required by leading employers.



Air transport courses

For over 50 years, Cranfield University has delivered world-leading postgraduate courses in Air Transport.

You will benefit from our close industrial relationships through guest speakers sharing their knowledge, and visits to major UK airports. Industrial partners such as easyJet, London City Airport and Qatar Airways recruit extensively from our courses.

More than 1,500 former postgraduate students are in the air transport industry. By becoming one of our alumni, you are joining a professional global network.

Internationally recognised as a leading centre researching and teaching in air transport management, our work draws together airline and airport operations with management, economics, engineering and marketing. Our focus is worldwide. A particular strength is our breadth of expertise across all aspects of air transport management, which we share with you and our business partners.

Modules form 50% of the course content, with group and individual projects making up the other 50%.

This brochure shows the compulsory and (where applicable) some elective modules offered in the 2020-2021 academic year, to give you an idea of course content. To keep our courses relevant and up-to-date, modules are subject to change so please check the latest information on our website.



Airport Planning and Management

www.cranfield.ac.uk/apm • Accredited, see page 9

MSc, PgDip
(Full-time)

A unique course, highly relevant and globally respected, created to meet a demand clearly stated by employers for graduates skilled and qualified in airport business development, planning, design, operations and environmental management.

Compulsory modules

- Air Transport Environmental Planning,
- Air Transport Market Analysis and Forecasting,
- Airport Design,
- Airport Finance and Business Management,
- Airport Operations,
- Airport Strategic Planning,
- Introduction to the Air Transport Industry,
- Regulatory Policy and Air Law,
- Research Methods and Statistics.

Air Transport Management

www.cranfield.ac.uk/atm

MSc
(Full-time)

Designed to equip you with an in-depth understanding of the air transport industry in order to pursue a successful career. Specialise with elective modules to tailor your course to your career aspirations.

Compulsory modules

- Air Transport Economics and Finance,
- Air Transport Market Analysis and Forecasting,
- Air Transport Marketing,
- Air Transport Operations,
- Air Transport Strategic Management,
- Introduction to the Air Transport Industry,
- Regulatory Policy and Air Law,
- Research Methods and Statistics.

Elective modules

- Air Transport Engineering – Maintenance Operations,
- Air Transport Environmental Planning,
- Airline Fleet Planning,
- Aviation Safety Management.

Air Transport Management (Executive)

www.cranfield.ac.uk/atmexec

MSc, PgDip
(Part-time)

In addition to core learning, you will focus on leadership and personal development in managerial, interpersonal, financial and analytical skills. This course allows you to accelerate your career development while you remain in employment.

Compulsory modules

- Air Transport Economics and Financial Management,
- Professional and Personal Development,
- Research Methods,
- Strategies for Success,
- The Airline Business,
- The Airport Business.

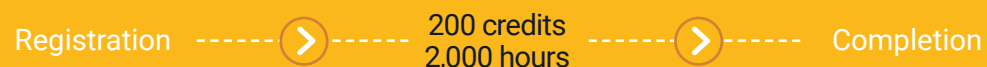
Elective modules

- Air Transport Engineering Maintenance Operations,
- Air Transport Environmental Planning,
- Air Transport in Remote Regions,
- Air Transport Market Analysis and Forecasting,
- Air Transport Marketing,
- Airline Fleet Planning,
- Airport Design,
- Airport Operations,
- Airport Strategic Planning,
- Aviation Marketing,
- Aviation Safety Management,
- Contemporary Airport Design,
- Crisis Management and Business Continuity,
- Digital Airline Management,
- Regulatory Policy and Air Law,
- The Business Travel Market.

Course structure

Our specialist, sector-facing master's courses are set up and developed in close collaboration with industry partners, ensuring the content of our courses remain industry-relevant and employers remain impressed with your business-readiness.

This diagram illustrates the course structure of many of our full-time master's courses, it is not indicative of all courses. Please check your course structure online for more detailed information, including the weight of each phase and part-time course structure variations.



Group projects

Cranfield's group project experience provides MSc students with the opportunity to take responsibility for a consultancy-type project while working under academic supervision. Group presentations are then attended by invited representatives from the air transport industry at the end of the project. Some recent projects include:

- Business plans for new airlines based in Georgia, India, Canada, Ecuador and New Zealand,
- A new long-term master plan for Bristol International Airport,
- New passenger terminal for Leeds-Bradford airport,
- Critical evaluation of Grand Cayman Island master plan,
- Norwich Airport: master plan 2030,
- Business case for runway extension at Birmingham International Airport.

Industry links

Cranfield has unrivalled links with industry, and you will benefit from our extensive contacts and track record of close collaboration with decision makers and the air transport sector. These benefits range from the various high-profile guest speakers we are able to attract, to the unrivalled access afforded to future employers at our group project presentation days.

Industrial advisory panel

Our courses are reviewed each year by a panel of industry experts to ensure that students graduate from Cranfield with the appropriate knowledge and skills to become future leaders in the industry.

Some of the companies represented on our industry advisory panel include:

ARUP

ATKINS
Member of the SNC-Lavalin Group

London Luton Airport

MOTT MACDONALD

Careers

Our alumni can be found around the world in leading roles within the air transport industry and beyond.

Here are some examples of the roles our alumni have secured in recent years:

Roles:

- Airport Planner,
- Airport Planning Consultant,
- Chief Executive Officer,
- Head of Air Operating License,
- Long-Haul Network Planner,
- Network Development Manager,
- Revenue Analyst.

Organisations:

- Civil Aviation Authority of Thailand,
- Iberia,
- Jacobs,
- London City Airport,
- Nile Air,
- United Airlines,
- Wizz Air.

Academic staff

You will be taught by a wide range of subject specialists from the University and industry professionals who draw on their research and industrial expertise to provide stimulating and informed input to your learning experience. Here are some of the staff you will be taught by:



Professor Keith Mason, Head of Centre

Keith has spent more than 20 years developing and carrying out research for airlines, airports, governments, civil aviation directorates and air transport industry organisations. He lectures in air transport economics, airline business models and airline marketing.



Dr Darren Ellis, Course Director, Air Transport Management

Following an international career in education and researching strategic airline management, the future of the airline industry and the global ascendancy of the three major Gulf carriers. He continues to focus on Delphi-based interdisciplinary air transport research.



Dr Thomas Budd, Course Director, Airport Planning and Management

Thomas's specialist areas of teaching and research include air transport and the environment, airport surface access planning and design, and climate change adaptation and resilience planning.

"Cranfield offers an inspiring, challenging and rewarding academic environment. I found staff very competent, motivating and flexible. Having the possibility to share knowledge as industry professionals among each other is truly valuable. I can highly recommend the course!"

Jonas van Dorp, Head of Aviation Marketing and Development at Gronigen Airport Eelde, (Air Transport Management Executive MSc 2018)



Key facts and statistics

Course information



Full-time
One year



Part-time
Two to three years
See the course page for more information about part-time study.



Start date
Full-time: October
Part-time (Exec): July and November.



MSc/PgDip
Not all courses offer all awards, see course information pages for details of awards offered.



Fees
Please see the individual course pages on our website for fee information and full-time or part-time options. Terms and conditions apply.

See www.cranfield.ac.uk/fee-information

Cohort profile*



Geographic spread
51% EU and UK
49% Rest of world



Cohort age range
20-40



Average cohort size
Full-time:
Air Transport Management: 50
Airport Planning and Management: 20
Part-time:
Air Transport Management Executive: 10

*These figures give an indication of the course make-up at registration across our air transport courses for the entry year 2019-2020.

Accreditation

The Airport Planning and Management MSc is accredited by The Chartered Institute of Logistics and Transport.



Financing your studies

If you need advice on funding your course, we can provide information and a range of online tools to help you put together the funding package you need for your course and living costs.

There is more information on our website:
www.cranfield.ac.uk/funding

How to apply

Read more about our entry requirements and how to apply.

www.cranfield.ac.uk/apply



Life at Cranfield

A welcoming, professional campus community.

Located just over an hour from London in the English countryside, Cranfield's campus environment supports close, working relationships between our multinational postgraduate students and academic and industry experts.

www.cranfield.ac.uk/visit



Take a virtual tour of our Cranfield campus to see inside some of our facilities.

virtualltour.cranfield.ac.uk

Cranfield University works with over

1,500 businesses and governments
based in over 40 countries

These organisations include:

AIRBUS

Heathrow



For a full list of Cranfield courses, please see our prospectus and website.

www.cranfield.ac.uk/transportssystems

Cranfield University
Cranfield
MK43 0AL, UK

T: +44 (0)1234 758083
E: studytransport@cranfield.ac.uk



@cranfielduni



Cranfield University



@cranfielduni



/cranfielduni



/cranfielduni



blogs.cranfield.ac.uk

Every effort is made to ensure that the information in this brochure is correct at the time it is printed. Please check our website for the latest information. Some photographs in this publication were taken prior to the 2020 pandemic. Cranfield University follows the latest Government guidelines on social distancing and use of personal protective equipment (PPE). [SATM-AT-September 2020](#).