

**12 MONTHS OF STUDY AND RESEARCH FROM OCTOBER TO OCTOBER
INCLUDING THE FINAL INTERNSHIP
Departure at the beginning of the 5th year**



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Cranfield University has been at the forefront of the development of aerospace technology for 60 years and is one of the largest academic centres in western Europe for strategic applied research, development and design. With more than 40 civil and defence clients and long term partnerships, Cranfield's successes in the aerospace sector depend on impressive resources, a deep expertise in the field and a strategic business approach. Students graduating in aerospace are part of an elite international network of alumni.

- One of the world's largest centres of University aerospace design education and research
- Excellence in teaching at last Quality Assessment
- Exclusively postgraduate community
- Highest staff/student ratio in UK
- Industrially relevant theses projects
- Excellent job prospects
- International student community



The Department of Aircraft Engineering's objective is to be internationally recognised as the first choice for research and education in Aerospace Design and Advanced Engineering Design Methods.

The Department performs research on a wide range of Aerospace Design topics, from conceptual to detail design of civil, military and Uninhabited Aerial Vehicles. It is also leading research into advanced technologies, such as laminar flow, avionics, more electric aircraft and advanced metallic and composite airframe structures.

The Department has access to a wide range of Industry-Standard experimental and computational facilities for structural testing, composite research, rapid prototyping and extensive UAV avionic and flight simulation facilities. It has designed, built and flight-tested a range of Uninhabited Aerial Vehicles (UAVs). The latter activities have led to the award of multi-million pound research and development contracts.

Cranfield's clients value its multidisciplinary approach, bringing together aeronautical engineering, materials and manufacturing with expertise in aviation business processes and practices. We play a big part in the aerospace business sector with close commercial partnerships with Airbus, BAE Systems, Boeing and Rolls-Royce, to name just a few. Cranfield plays a leading role in the Darwin Mission. This European Space Agency-funded mission is due to launch in 2015 and will look for earth-like planets in our galaxy. It will feature significant work by the University.

Cranfield's varied aerospace and aviation activities are underpinned by all the advanced facilities, tools and expertise you would expect to find, including capabilities unique to Cranfield – from flying laboratories and flight deck simulators to industrial-scale gas turbine engine test facilities used for performance and diagnostic studies.

IPSA INTERNATIONAL PROGRAMMES

CHOICE OF MASTER PROGRAMMES

MSc in Aerospace Dynamics (Options in Aerodynamics & Flight Dynamics)

MSc in Aerospace Vehicles design (Options in Avionic Systems Design & Structural Design)

MSc in Executive Air Transport Management

MSc in Aircraft Engineering

MSc in Autonomous Vehicle Dynamics & Control

MSc in Astronautics & Space Engineering

MSc in Executive Airport Planning & Management

MSc in Ergonomics & Safety at Work

MSc in Advanced Mechanical Engineering

MSc in Structures, Crashworthiness & Impact

MSc in Human Factors & safety Assessment in Aeronautics

MSc in Airworthiness

MSc in safety & Accident Investigation (Air Transport)

MSc in Process Systems Engineering

Classes, Examinations, Group Projects and individual research thesis (50%)

WHEN DO I LEAVE?

The beginning of AERO 5 – Courses start from the beginning of October

AND THE STAGE?

The research project you do at Cranfield will be **validated by IPSA as your stage**. But you must give a report and presentation to IPSA at the end of your thesis within the framework and guidelines of the 'guide des stages'.

WHEN SHOULD I START TO PLAN?

English TOEIC test in the 4th year (min 850)

Application end of JANUARY for 1st selection by IPSA

2nd selection by Cranfield University in MARCH

HOW MUCH WILL IT COST?

The student fees for IPSA and Cranfield combined are 9 000 Euro, payable to IPSA

- Accommodation on campus c. £ 500,00 p/month
- Pub dinner: £8,00
- Taxi: (8 miles Cranfield to Milton Keynes): £20,00
- 1 return Eurostar Ticket paris – London: 75,00€
- Estimated cost of calendar year in UK: £10 000
- 1 € = 0.84 £ (Nov. 2010)



HOW DO I APPLY?

Deposit your dossier before the end of January (in the 4th year) with the application form « séjours internationaux » available on INTRANET or from the 'bureau des stages/international'

With a copy of: Transcripts Aero 3 & 4 (1er semester)

TOEIC certificate

Identity Card or Passport

WHAT ARE THE CRITERIA OF SELECTION FOR CRANFIELD?

Scientific Average : 13, TOEIC : 850

Good general comportment, autonomy and motivation

The first selection by IPSA is in February

The second selection is made by Cranfield University in April.

WHAT MUST I DO AFTER I HAVE RECEIVED MY CONFIRMATION LETTER FROM CRANFIELD?

Think about my : Accommodation, travel arrangements, dossier of reinscription, social security formula and payment, apply for my European health card (www.lmde.com/ www.smerep.fr) and pass all my exams at IPSA!

IPSALIENS TO CONTACT :

Nicolas Sonnet, Pierre Aumoite, Nathalie Casas, Promo 2010

Jessica Gridel, Promo 2011

