



STAFFORDSHIRE  
UNIVERSITY



UCAS Code:  
H410

BSc(Hons)  
**Aeronautical Technology**

UNDERGRADUATE  
COURSE INFORMATION

## Key Facts

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Faculty of Computing,  
Engineering and  
Technology

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Location:  
Stafford Campus

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Duration:  
3 years full-time  
4 years with placement  
year

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Entry requirements:  
Typical offer: 240 UCAS  
points.

A levels: CCC or CDD  
plus C at AS.

BTEC: MMM.

All applicants are  
individually assessed.

Detailed entry  
requirements can be  
found on each of our  
online course pages or by  
visiting [www.staffs.ac.uk/  
ugentryrequirements](http://www.staffs.ac.uk/ugentryrequirements)

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Accredited by: IET



Collective inspiration

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## At-a-glance

Graduating with this award will allow you to progress in a variety of roles within industry and commerce in aeronautical technology. You will be familiar with design techniques for modern aircraft systems, technology, propulsion systems, airworthiness and safety issues. Employment opportunities may be as airline ground staff, in airside despatch roles, on trainee pilot programmes (including within the Royal Air Force) and as designers within the aviation and associated industries. You can also continue your studies on our MSc in Aeronautical Engineering and related postgraduate programmes.

The course explores a wide range of technology and engineering aspects for the aeronautical sectors, including propulsion systems, flight and aerodynamics.

In the 1st year, you can learn to fly a glider as one of your modules, at relatively low cost to yourself. Specialist modules cover: in-depth design technology, flight technology, including study of aircraft flight control systems, aerodynamics, crash investigation, aerodynamics, flight deck controls and displays, navigation systems and the theory of flight including aircraft instruments, controls, subsonic and supersonic aerodynamics, fluid and electrical technology, material properties and selection and computer-based product development. Many of these will be combined in group-based projects allowing you to exercise your new-found skills and knowledge on a real design brief. The computer-aided techniques used are familiar to those used by professional practitioners in the sector: Finite Element Analysis and Computational Fluid Dynamics. Optional industrial placements allow you to apply your skills.

# Course Outline

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## Year 1

- Fundamentals of Transport Technology Design
  - Applied Mathematics, Mechanics and Fluids
  - Practical Aviation Studies (gliding)
  - Transport Propulsion Systems
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## Year 2

- Mechanics and Materials
  - Flight technology
  - Advanced Design
  - Aerodynamics
  - Crash investigation
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## Year 3

- Professional Technologist
  - Final year Project
  - Advanced Aerodynamics
  - Advanced Flight Technology
  - Digital Styling Project
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**STAFFORDSHIRE  
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# THE STAFFORDSHIRE GRADUATE

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**EMPLOYABLE.  
ENTERPRISING.  
ENTREPRENEURIAL.**

The information in this leaflet is correct at the time of publication, but may be subject to change.

For the latest information visit [www.staffs.ac.uk/undergraduate](http://www.staffs.ac.uk/undergraduate) or contact our enquiries team on t: 01782 294400 e: [enquiries@staffs.ac.uk](mailto:enquiries@staffs.ac.uk)

**Study at Staffs and we'll help you to develop the skills and qualities necessary for success in the 21<sup>st</sup> Century.**

By working together, we'll aim to equip you to become 'The Staffordshire Graduate' – an individual with the knowledge, personal attributes and expertise that employers look for, and the ability to stand out in the job market.

With a thorough understanding of your chosen field, you'll be a reflective, critical learner with a truly global perspective. Work-ready and highly employable, you'll also fully understand the importance of being enterprising and entrepreneurial – essential skills whether you go into employment or start your own business.

Detailed entry requirements can be found on each of our online course pages or by visiting [www.staffs.ac.uk/ugentryrequirements](http://www.staffs.ac.uk/ugentryrequirements)

For full, up-to-date details of our degrees and other courses, visit: [www.staffs.ac.uk/undergraduate](http://www.staffs.ac.uk/undergraduate)

For lots of friendly help and advice: t: 01782 294400 e: [enquiries@staffs.ac.uk](mailto:enquiries@staffs.ac.uk)

You can also find us on:

