Get ready for BEng(Hons) Aerospace Engineering with Pilot Studies

I hope you are enjoying your summer holiday and are looking forward to starting at UWE Bristol. As your Programme Leader, I warmly welcome you onto our BEng(Hons) Aerospace Engineering with Pilot Studies programme. I have provided some information below that will help you to prepare for getting started.

Zac Kanaa
Aero Programme Leader

If you are a Direct Entry student starting at Level 3, please see your**.course information.**

Before you start

We are looking forward to welcoming you in the week commencing 14 September for Starting Block and the beginning of your programme.

Starting Block will help you settle into university and help you get to know your teaching team and course mates. We will help you find your way around, get used to our systems, and practice the skills you need to make a strong start. Look out for further emails and explore the Starting Block website with more details.

Your timetable will be available to you via MYUWE (login required) once you have started the registration process. Please visit the 'Understanding your teaching timetable' website to find out when your timetable will be published.

Preparing and arrival
You can find everything you need to know about registration, Starting Block and the start of teaching, on our Preparing and Arrival webpage. Take a look at our website to familiarise yourself with our facilities and services such as the library, study skills, academic support, health and wellbeing support and much more.

Our study skills workbook introduces you to essential services as well as key skills.

You can also explore our support for careers and enterprise. UWE Careers & Enterprise provide a range of workshops, appointments and a huge range of online resources to support students in realising their future ambitions. The Careers Toolkit is our online portal to finding vacancies, booking onto events and accessing a range of resources.

Registration

Once you have satisfied all admissions requirements, we'll send you your login details for our IT systems to enable you to activate your university email account. Once your account has been activated, you'll gain access to the MYUWE platform where you can register. Note that your login details for MYUWE are different to those used for the UWE Welcome website. Registration for September programmes will only be open from August onwards. You can find guidance and further information on our Registration website.

ID card - upload your photo now
We can only print your ID card if you have added your photo to MYUWE. To avoid delays, upload your photo as soon as you receive login details. For help, go to our student card guidance.

Engage with your programme

Start your learning
A key aspect of Aerospace Engineering is mathematical modelling and simulation. I strongly suggest all new students use the time over the summer to undertake the following activities:

- Mathematics Refresher: you may wish to start exploring Mathcentre, which you will find useful as you engage with the first year of your university studies. Key concepts include differential equations, algebra, differentiation and integration.

- Programming and Simulation: MATLAB is an industry-standard tool that allows you to develop complex simulations to assist in the design of engineering systems. You will use it right from first year onwards. Please download a free MATLAB trial and go through the free online tutorials.

Read around your subject
To succeed within your chosen programme, you will need to think critically about key issues and practices. Here are some resources to help you to understand the scope of your programme:

- Smithsonian National Air and Space Museum - How Things Fly (si.edu)
- NASA https://www1.grc.nasa.gov/beginners-guide-to-aeronautics/learn-about-aerodynamics/NASA Guide To Aeronautics
- Royal Aeronautical Society (RAeS) National Library (and online resources)

For the pilot studies part of the course, you may start studying basic aeronautical knowledge, which will help you starting from level one:

- Federal Aviation Administration Pilot's Handbook of Aeronautical Knowledge is a good compendium.

We would also like you to get registered with your Professional Engineering Body, the Royal Aeronautical Society, and start enjoying their benefits as a student member.

Connect with others
In addition to the range of clubs and teams you can join at UWE Bristol, you will find a wide range of clubs and teams you can join which have an Engineering related theme that organise a number of social events andactivities throughout the year. The aerospace and aviation themed societies are UWE Aero Society, UWE Space, and the UWE Gliding Club.

Be prepared

Access support
Check the information on our Disability web pages so you know what you need to do. If you need any urgent additional mobility or other support to fully access all activities during your studies, contact me as your programme leader.

Get equipped
The University has computers on all our campuses for you to use during your studies. These provide access to our core digital learning tools and any specialist software required for your course. You may have scheduled sessions in computer labs or other specialist facilities, and you will be able to use open-access PCs for self-study.

UWE Bristol licenses many specialist software packages for use on personal laptops for the duration of your course. If you're struggling to meet the financial demands of your course, please contact the Student Money Service team for advice and guidance.

As part of this engineering course, you will be required to utilise some specialised software, for example ANSYS CFD, that do not have a native macOS version See the UWE website for detailed information on choosing your IT equipment including recommended specifications. For this programme we recommend the **Enhanced Specification** (details located under 'Hardware' information).

As for your calculator, you will definitely need to purchase one of these! Please also be aware that any calculator with an alpha numeric keyboard will not be allowed. It is your responsibility to make sure you have the correct calculator; substitutes will not be provided. Some examples of acceptable calculators are: Casio FX82 (FX82MS or FX82WA), Casio FX83, Casio FX85, Casio FX260 & Casio FX300.

International students
The Global Student Support Team offer information and advice to ensure you receive all the support you need to get the best from your time at UWE Bristol. They are here to help you to settle in when you first arrive at UWE Bristol and organise social events to help you to adapt to your new environment.

Who to contact if you have questions

For any questions about the programme, please contact **Zac Kanaa** via email at zac.kanaa@uwe.ac.uk OR Zak Abdallah via email at Zak.Abdallah@uwe.ac.uk

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Please note: this information has been provided on the assumption that you will meet the conditions of your offer and be eligible to take up your place.

Entry: September 2026 Last updated: Spring 2026