

## Get ready for MSc Electrical Electronic Engineering

I hope that you are looking forward to starting at UWE Bristol. As your Programme Leader, I warmly welcome you onto the programme.

I have provided some information below that will help you to prepare for starting with us.

I look forward to meeting you.

### **Dr. Sunday Atuba**

Programme Leader – MSc Electrical Electronic Engineering

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### **Before you start**

We are looking forward to welcoming you in the week commencing 14th 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 practise the skills you need to make a strong start. Look out for further emails and explore the [Starting Block webpage](#) for more details.

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

### **Preparing and arrival**

You can find everything you need to know about enrolment, 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.

## Enrolment

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 enrol. Note that your login details for MYUWE are different to those used for the UWE Welcome website. Enrolment for September programmes will only be open from August onwards. You can find guidance and further information on our [Enrolment](#) 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

Key elements of Electrical and Electronic Engineering are mathematics, computer programming languages (especially C and Python – Programming on both Windows and Linux platforms), modelling and simulation (Matlab, Quartus). I strongly advise all new students to use the time between now and induction week in September to undertake the following activities:

1. Mathematics Refresher: you may wish to start exploring [math centre](#) (online resource), which you will find useful during your university studies. Key concepts include Fourier series, differential equations, statistics and Laplace transforms.
2. MATLAB is an industry standard tool that allows you to develop complex simulations to assist in, for example, designing electrical and electronic engineering systems. You will use it right from your first year and it is available on all computers within the Engineering building. You can access a free online version via the [Math works website MATLAB Online - MATLAB & Simulink](#) and familiarise yourself with the software.
3. Cadence Virtuoso is an Electronic Design Automation (EDA) software suite for designing, simulating, and laying out custom analogue, RF, and mixed-signal Integrated Circuits (ICs). This software allows to create schematics, perform advanced analysis (power, area, timing), and achieve "correct-by-design" layouts, often used in complex, high-performance semiconductor projects

4. Join our Engineering@UWE [Linkedin](#) and [Twitter](#) accounts, where you will find a supportive environment where to ask any questions you may have about the course.
5. Visit the UWE website, find the pages for the [School of Engineering](#), and look up the Electrical and Electronic Engineering staff: they will be teaching you, they will be your Academic Personal Tutors, and you will generally be seeing them around. It's good to know these faces in advance!
6. Visit the [UWE Library](#) pages to find out about all the services the library offers. Then have a go at using the library search tool (for example by searching for critical work on one of the primary texts in your reading lists). Good research is crucial to your academic success, and it benefits from practice.

After you arrive at UWE, members of staff will be happy to discuss any aspects of this preparatory work that you have found problematic.

### **Start your reading**

A key skill which is required to achieve a high level of success within your chosen programme is the ability to think critically about key issues and practices. To help you to enhance these skills and be ready to engage with your studies, you should start to read and research around your subject before you arrive.

You will be taking key core modules in your first year, including Mixed-Signal ASIC Design, Smart Grids, Internet of Things (IoT) with Applications.

Here are some of our recommended titles for you to read, to be inspired by and to understand the scope of your degree programme:

- Weste, N.H. and Harris, D., 2015. *CMOS VLSI design: a circuits and systems perspective*. Pearson Education India.
- Buchholz, B.M. and Styczynski, Z., 2014. *Smart Grids-fundamentals and technologies in electricity networks* (Vol. 396). Heidelberg: Springer.
- Yue, X., 2025. *Internet of Things (IoT): An Engineering Approach: from Principles to Practice*. Academic Press.

## Connect with others

You will be joining a scholarly community of academics and students with a passion for learning about your subject. There is a range of opportunities for you get involved in the community.

Join the [UWE's Formula Student, Repair Café, Mechatronic/Robotics Society, Engineers without Borders etc](#) which accepts students and has a goal of overseeing their personal development progressing them to a leadership position in the coming years.

## 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 in 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](#) for advice and guidance.

See the UWE webpage for detailed information on [choosing your IT equipment](#) including [recommended specifications](#).

The core software used in your course includes:

- **Matlab**
- **Python**
- **Quartus II**
- **CADENCE Virtuoso**
- **Spectre Simulator**
- **ViVa Analyzer**
- **ModelSim**

Most of these packages will run on Windows (and Mac with a WINE Environment) devices but not on tablets or Chromebooks. Please note that some of the software packages are computation and memory-intensive and require modern processors and sufficient memory and storage space.

The size of the screen is depending on your personal preferences and not critical for any of the used software. Please note, however, that CAD programs benefit from larger screens. We recommend a full HD screen resolution.

### **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 settle in when you first arrive at UWE Bristol, and they organise social events to help you adapt to your new environment.

### **Who to contact if you have questions**

For any questions about the course, please contact me: Sunday Atuba via email at [Sunday.atuba@uwe.ac.uk](mailto:Sunday.atuba@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