

Why study at the University of Birmingham?

There has been a School of Electrical Engineering at the University of Birmingham since its founding. The first Professor of Electrical Engineering, Gisbert Kapp (whose research focused on the development of dynamos and transformers), is remembered through the naming of our building after him. During the Second World War, John Randall and Harry Boot worked at Birmingham to improve the cavity magnetron which became an essential part of the centimetric wavelength radar.



Over the past five years, the School of Electronic, Electrical and Systems Engineering has benefited from substantial investment in the Gisbert Kapp building, with a renovation of the exterior of the building. The Gisbert Kapp building is situated on the attractive University campus with excellent transport links and a short distance from the city centre.

Thirty years of professional accreditation

All of the Degree programmes in EESE have been fully accredited by the Institute of Engineering Technology (IET) and, prior to that, by the Institute of Electrical Engineering (IEE). This provides our graduates with a valuable first step on the road to becoming Chartered Engineers and demonstrates that our graduates begin work with the professional skills and outlook needed for industry.

Personalised professional development

Students have the opportunity to develop their professional skills through the Certificate in Industrial Studies (CIS) programme offered to all undergraduates and through the unique MSc with Industrial Placement programme. These offer students the opportunity to experience industry and develop skills that help them in their degree and beyond. We offer the chance to meet employers and receive guidance on all aspects of job hunting, from writing CVs to interview skills.

Project-based engineering

For most of our students the 'Robot Race' in the second year is a highlight of their degree. This combines the development of project management with practical skills involved in designing and constructing a robot to race in the end of year challenge. Not only do our students benefit from this project, but they will also undertake Group Design Studies in their third year of MEng and Individual Projects in their Final Year (for both BEng and MEng).

Team building in the Lake District

All of our students will go to the University's Centre at Coniston in the beautiful Lake District. This provides an 'outward bound' experience in which students join together to face challenges as teams. They return to the University and, in the same teams, begin their project work having already experienced the highs and lows of working as a team.

Excellent access to modern labs and equipment

The School of Electronic, Electrical and Systems Engineering has three well-equipped Computer Laboratories and an agreement with Microsoft, through the MSDNAA, providing student access to key computing software. These Labs are open until midnight every day. We also boast modern laboratories to support the teaching of electronic and electrical engineering, together with specialised labs that students can use for their Individual Projects. In addition to these labs, students can also take advantage of the extensive facilities for Embedded Systems with microcontrollers, FPGAs, and DSP kits, or work with internationally leading Research Groups on projects in Communications Engineering, Applied Computing and Novel Electronic Devices.

Contact details and further information

- [Scholarship information \(/schools/eece/undergraduate/scholarships.aspx\)](/schools/eece/undergraduate/scholarships.aspx)
- [Frequently asked questions \(FAQ\) \(/schools/eece/undergraduate/faq.aspx\)](/schools/eece/undergraduate/faq.aspx)
- [Applicant visit days \(/schools/eece/undergraduate/visitdays.aspx\)](/schools/eece/undergraduate/visitdays.aspx)

If you would like to speak to someone about studying in the School of Electronic, Electrical and Systems Engineering please contact the School using the details below:

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