



Transforming lives through scholarships

The UCL Department of Electronic and Electrical Engineering (EEE) was established in 1885, the first department of electrical technology in England. For more than a century, our people have provided the best and brightest talent for engineering and technology sectors, and have pioneered a tradition of innovation and excellence that continues to underpin our work today. Alongside this, we know we have work to do to build a department that is diverse, accessible and inclusive.

At EEE, we're inviting you to help us make a change. We want to give the opportunity of a UCL and EEE education to more people from backgrounds under-represented in the department through a targeted programme of fully-funded scholarships, enabling them to thrive at EEE and beyond. If you want to help open the doors of EEE to talented students who might otherwise be excluded, join us now.

Lack of diversity is systemic

EEE, along with the engineering and technology sectors that our graduates go on to be the leadership and life-force of, do not currently reflect the rich diversity of the communities we serve and the world to which we belong. There is a particular lack of representation of women, Black students, and people from low-income backgrounds in our community. This hampers our ability to respond to global challenges effectively and deliver solutions and innovations that work for everyone.

Limited UK government funding, increasing tuition fees and rising student loan interest rates can make the prospect of university unpalatable. When other factors are added into the mix – challenging gender stereotypes in a male-dominated field or facing systemic obstacles due to race or ethnicity – barriers can seem insurmountable.

The power of scholarships to drive change

Scholarships can help change this. By offering financial support to those who need it most, scholarships help ensure that no one has to forgo a university education due to circumstances beyond their control.

With greater financial security, scholars are able to choose the courses they want and fully embrace the opportunities that come with being part of a dynamic university environment. Scholarships also demonstrate a powerful belief in individuals, showing them that higher education is for them, that EEE and the engineering and technology sectors are for them, and that they belong here as much as anyone else.

You can help to empower a wider range of minds and voices to study at EEE, and build a pipeline of diverse, talented future changemakers who will shape the industries they go on to join. Will you support scholarships at EEE today?

Why your support matters

£15,000: what the average UK undergraduate student needs to cover costs for a 39 week academic year.

£57,000: the average debt for students from the poorest 40% of families when they graduate compared to £43,000 for the wealthiest 30%.

Scholarships: alleviate financial anxieties, remove financial barriers, reduce the need for part-time work and improve academic results.

“Scholarships are critical to enabling those who have the talent, but not the resources, to come to EEE and reach their potential. I’m excited to work with likeminded partners to bring the unique EEE experience within reach of more people who deserve it.”

Professor Sarah Spurgeon
Head of the Department of
Electronic and Electrical
Engineering



Our plan: Impactful scholarships at EEE

We want to provide **ten fully-funded scholarships per academic year** across EEE's wide-ranging undergraduate and postgraduate programmes, to individuals from groups currently under-represented in the department, including:

- Women
- Black students
- Students from low-income backgrounds

Individuals from these groups are also under-represented in the engineering, technology and higher education sectors more widely. EEE's scholarships programme will help to build a more diverse, dynamic talent pipeline to feed the broad range of sectors and industries that EEE graduates go on to join.

Fully-funded scholarships include tuition fees for the duration of the academic programme, as well as a fixed amount for living costs annually. This allows students to dedicate themselves fully to their studies and student life, without the additional stress of part-time work.

A supportive environment to allow scholars to excel

As well as financial support, EEE scholarship recipients will join a holistically supportive academic environment, with UCL's dedicated initiatives to help students acclimatise to the intricacies of academic writing. Resources available include the dedicated **UCL Academic Communication Centre**, a service to enhance UCL students' discipline-specific writing and speaking skills through tailored workshops, classes and tutorials for native and non-native English speakers.

UCL Engineering: A wholesale commitment to increasing access

Building on UCL's sector-leading Widening Participation activity and initiatives, **Engineering Foundation Year**, launching in September 2022, is a one-year pre-undergraduate course with sector-leading wraparound pastoral support that will enable UK students from non-traditional educational backgrounds to enter UCL and progress to an engineering degree. Engineering Foundation Year students would be eligible to progress onto an EEE degree.

We're also working to improve transitions into and through engineering for people at different life or career stages through the **UCL Centre for Engineering Education (CEE)**. A partnership with the world-leading IOE, UCL's Faculty of Education and Society, the CEE is investigating how we attract and nurture engineering talent in the UK with the aim of figuring out how to get more engineers into the UK economy, including those specialising in electronic and electrical engineering.

Why UCL?

We are London's leading multidisciplinary university, and **ranked 8th in the world**, providing solutions to global problems, and a unique education in one of the most exhilarating capital cities. We **teach our students how to think, not what to think**, and nowhere is this more evident than in our engineering programmes, where hands-on experiences help to shape real-world problem solving skills.

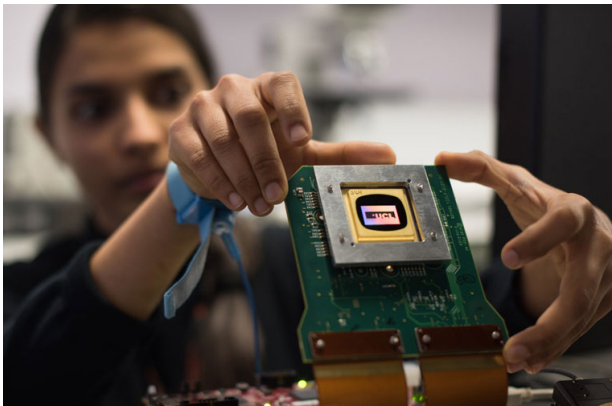
This is a powerful springboard for tomorrow's leaders and innovators. That's why so many students from all over the world chose to study at UCL. **It's vital that people of all backgrounds have the chance to contribute their ideas to our community**, so they can participate in building solutions for a better tomorrow.

Widening Participation: An institutional priority

Scholarships are part of a broader drive to support Widening Participation (WP), inclusivity and diversity at UCL.

With one of the largest WP operations in the country, **UCL's work is impact-focused, evidence-led and shapes national direction**. We take a 'life-cycle' approach to WP, with targeted initiatives for students embedded from pre-entry to post-qualification, and our activity reaches thousands of students from more than 650 schools.

We know that academic achievement is not necessarily a marker of a student's talent or potential. **Access UCL**, our institution-wide contextual offer scheme, allows us to welcome students from areas with high levels of financial, social or economic deprivation by making them offers lower than the standard entry requirements for the programme, in recognition of the barriers they may have faced at school and home.



Inside UCL Electronic and Electrical Engineering

UCL is ranked 4th for Electrical Engineering in the UK for research quality (Shanghai/ARWU 2021).

We offer world-class facilities, including:

- **High-tech computing facilities** where students can access specialist software such as PyCahrn and Vivado.
- **An undergraduate teaching lab** with 33 dedicated workbenches with industry-standard test equipment.
- **The new Sir Eric Ash Teaching lab** completed in 2021, with the same state-of-the-art equipment found in research and development labs around the world.
- **A project lab** where students can build, assemble and test circuits.
- **Nanotechnology facilities** designed to give students insight into nanoscale characterisation tools such as atomic force spectroscopy, scanning tunnelling microscopy, and photospectrometry.

Thanks to these facilities, and the wider multidisciplinary UCL environment, students who study at EEE receive a hands-on education which comprehensively prepares them to progress straight into industry, in any part of the world.

Engineering education for 21st century challenges

UCL Engineering has pioneered new teaching methods for undergraduates through our award-winning Integrated Engineering Programme, and we also involve postgraduates in our cutting-edge academic research. Focused on solving complex problems with original approaches, our students' learning emphasises real-world applications of their courses.

EEE's mode of teaching also ensures dedicated small group interaction between students and academics through a tutorial system. This is of particular value in empowering students from under-represented backgrounds, who may be less comfortable in large groups, to really engage with their learning and flourish.

Our scenario and project based learning, teaching students both how to think and the technical rigour required, will prepare EEE scholars to excel in, and become leaders of, the engineering and technology sectors.

UCL Engineering: a proud history of innovation

Nearly 140 years since we established the world's first lab devoted to engineering education, UCL is still at the cutting edge of the discipline. Electronic and electrical engineering has been a key element from the outset; the founding department of the faculty.

Our work ranges from traditional subjects such as naval architecture to new interdisciplinary explorations in nanotechnology, crime science and digital humanities. We cover a broad range of disciplines but everything we do brings discoveries closer to those who need them.

UCL Engineering has close to 40 institutes and centres and 10 engineering departments, spanning civil, electrical and mechanical engineering to computer science and medical physics.

Transform lives with us.

By investing in EEE scholarships, you can have a tangible impact on the lives and futures of individual students today, as well as play a key role in shaping the talent pipeline feeding the engineering and technology sectors of tomorrow. As well as contributing to our scholarships fund, you can:

Give a talented student the financial security of a fully-funded scholarship

Your support for a fully-funded scholarship gives a student the security they need to dedicate their attention to their studies and take full advantage of EEE – and UCL – life. By funding a scholarship in full, you will give a talented person the invaluable boost they need on their way to becoming an innovator of the future.

Create a unique environment by funding a cohort of students

With a larger gift, you could support a group of EEE scholarship students at the same time, helping us reach a greater number of talented scholars, and diversify the student body faster.

This kind of support encourages the sense of connection that makes a UCL education such a special experience. Being part of a cohort is particularly beneficial for students from under-represented groups who may benefit from greater access to support networks.

Leave a lasting legacy

Leaving a donation to UCL in your will is a powerful gift, one with the potential to benefit generations. For some, it is the opportunity to make your most significant and personal gift — it can be very much the gift of a lifetime. By leaving a legacy, you will be making a lasting and significant difference to the EEE community and beyond.

Fund a bespoke package

We welcome conversations with donors who wish to develop multi-faceted partnerships to achieve our mutual goals.

This could include financial support for EEE scholarships paired with investment in allied initiatives such as Engineering Foundation Year, or opportunities to explore employee engagement, mentoring and volunteering activities, for our corporate and institutional partners.

Recognising your support

As a scholarship donor you will receive invitations to annual scholarships celebration opportunities and events within UCL Engineering, as well as annual updates from those benefiting from your support, so you can hear about the impact your gift is having first hand.

We will work closely with you to find meaningful ways to recognise your generosity and celebrate the successes of the students you help.

Thank you for your interest in supporting scholarships at EEE. If you would like to discuss the options here in more detail, please contact:

Dr Robert Thompson

Strategic Alliance Director
Department of Electronic and Electrical Engineering
E: robert.j.thompson@ucl.ac.uk
T: +44 (0)20 3108 6258

Nick Marsden

Interim Deputy Head of Major Gifts (University)
Office of the Vice-President (Advancement)
E: n.marsden@ucl.ac.uk
T: +44 (0)20 3108 3811