UK PARTNER EDUCATION ABROAD PROGRAMS

Heriot-Watt University (KEI)
Edinburgh, Scotland
Language Req: None
Class Standing: Any
Minimum GPA: 2.5
Terms Offered: Fall, Spring, Summer 2

Bluegrass Down Under:
Royal Melbourne Institute of Technology
(Education Abroad Network)
Melbourne, Australia
Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 3.0
Terms Offered: Fall, Spring

Electrical engineering students have course options such as Circuits & Analysis, Electric Circuits & Machines, Electromechanical Systems, Signals & Systems, Analogue Electronics, Electrical Energy Systems, and many more.

Meet with your advisor early on in the planning process in order to discuss the proper procedure.

Are you concerned about how to transfer credits from courses taken abroad?

Our department collaborates with the Education Abroad office in order to assure pre-departure approval of course equivalences and courses bypass examination eligibility.

Courses taken at an institution other than the University of Kentucky should be evaluated by the appropriate UK department prior to the student’s registration in that course to determine equivalencies and whether or not the department will accept that course in fulfillment of program requirements.

Meet with your advisor early on in the planning process in order to discuss the proper procedure.

Are there other programs?

Yes! This advising guide is a good place to start, but you should also visit the UK Education Abroad website to learn about many other exciting opportunities to study, intern, or volunteer abroad.

If you don’t see your ideal program listed on the UK Education Abroad website, please contact an Education Abroad Adviser to learn more about UK External Education Abroad Programs and how to apply.

Certificate of Global Studies

Document your preparedness to live and work in a global community with the Certificate of Global Studies.

For more information, please visit uky.edu/EGE/Certificates/Global

Considerations for Education Abroad in the Electrical & Computer Engineering

Electrical & Computer Engineering majors should consult their academic advisor as soon as they are interested in pursuing an education abroad program. The earlier a student and their advisor begin communicating about how to best include an education abroad program into their degree plan, the more diverse the student’s options will be. Students should not be discouraged from participation for fear that a timely graduation will be affected.

The programs featured on this Major Advising Page have been approved by the department as programs offering appropriate credit for engineering students. However, for all programs other than UK Sponsored Programs, students must arrange their transfer credit for courses taken abroad prior to departure. Students will seek transfer approval from the department from which they are seeking credit, using the Academic Approval Form, which may be obtained from the Education Abroad Resource Center in 315 Bradley Hall.

Do I have to speak a foreign language to study abroad?

Absolutely not. There are plenty of programs in English-speaking countries. Furthermore, students can find classes taught in English in practically every country. Of course, there are also plenty of excellent programs for students who prefer to study in a foreign language.

Where can I study abroad?

There are many opportunities to study all over the world! From the metropolitan buzz of London to the tropical landscape of Costa Rica, UK offers a wide array of programs that allow students to study in all parts of the globe.

Can I afford to study abroad?

UK Education Abroad offers a variety of programs that allow you to study engineering in an international setting. Immerse yourself in another culture, expand your knowledge of engineering, and explore what the world has to offer with any one of the exciting opportunities available to you!

Why study abroad?

Education abroad can help you…

- Experience engineering first-hand
- Globalize your view
- Expand your intercultural understanding and problem-solving skills
- Prepare to work in an increasingly diverse and international workplace
- Gain new insight into the world and yourself
- Increase your language skills

As a student of engineering, one of the best ways to increase your knowledge is to immerse yourself in various cultures and diverse environments. There is no substitute for the experience that a semester, year, summer, or winter abroad will give you.

What are my next steps?

Attend a First Step Session.

Find out what you can study abroad and where, and ask questions about the application process, financial aid and scholarships, etc. First Step Sessions are held on Mondays and Tuesdays from 4-5p.m. and Wednesdays and Thursdays from 3-4p.m. in 207 Bradley Hall.

Explore the programs available.

Search online or visit the Education Abroad Resource Center in 315 Bradley Hall.

Talk to an Education Abroad advisor.

Each UK Education Abroad advisor has expertise in specific majors and geographic regions. Check the website and make an appointment with the advisor who is an expert on the programs in which you are interested.

UK is a member of ISEP, an international network of more than 300 universities in 50+ countries. ISEP offers affordable exchange and direct programs for a variety of academic majors.

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Education Abroad Programs for Students of Electrical & Computer Engineering

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Last updated: January 2016
Aspects of energy. Undergraduate students sue associated with disciplinary to study Global Energy Issues from all academic disciplines. The College of Engineering is offering students in conjunction with the Karlsruhe Institute of Technology in Karlsruhe, Germany.

**Term Offered:** Summer
**Minimum GPA:** 3.0
**Class Standing:** Any
**Language Req:** None
**Terms Offered:** Summer

Students enroll in MA 214 and EGR 189. Visits to local companies and organizations complement the classroom experience for students to experience globalization in the engineering profession.

**Global Energy Issues**

**Karlsruhe, Germany**

Language Req: None
Class Standing: Undergraduate
Minimum GPA: 2.5
Term Offered: Summer

In conjunction with the Karlsruhe Institute of Technology in Karlsruhe, Germany, the UK college of Engineering is offering students from all academic disciplines the opportunity to study Global Energy Issues during the summer session. This cross-disciplinary course will critically examine issues associated with the technical, economic, societal, environmental, and geopolitical aspects of energy. Undergraduate students will enroll in EGR 240: Global Energy Issues.

**UK Exchange Programs**

These offerings include university-wide or departmental exchanges and select ISEP Exchange programs. Students pay UK tuition fees and earn transfer credit while abroad.

**UK Consortia**

These offerings include selected KIIS, CCSA, and University-wide consortium-based programs for which UK is a voting member. Tuition and fees are paid directly to the program provider and students earn transfer credit.

**UK Direct**

These offerings include select programs hosted by international institutions in which students enroll directly or are facilitated through ISEP-Direct. Students earn transfer credit.

**UK Partner**

These offerings include select third-party provider programs and other international service-learning based programs, for which students earn transfer credit.

**How do I choose the education abroad program that is right for me?**

Look through the information in this advising guide for an overview of the programs available to UK students. You can also find more detailed descriptions online. To get started, it is important to consider the type of program you would like to attend, descriptions of which are outlined above. Consider the following important questions.

**When can I study abroad?**

- You can study abroad for an entire academic year, during the Fall or Spring semesters, Winter Intersession or over the Summer. Speak with your advisor to determine when it would fit best for you.

**Where will I live?**

- Most programs provide accommodation for students in residence halls and facilitate student housing options. Some programs, particularly ones that focus on language immersion provide the option of living with a local family.

**Will I earn credits while abroad?**

- Yes! Earn credit towards your major abroad, or get some electives out of the way. Please check with your DUS to make sure specific courses will count towards your major.

**How much does it cost?**

- Tuition and fees are in part dependent on the program type, duration, and provider. Please be sure to familiarize yourself with the costs of the programs you are considering.

**Where do I live?**

- During the summer or winter Intersession.
- Check out other programs offered by the Kentucky Institute for International Studies (KIIS) and Cooperative Center for Study Abroad (CCSA) at www.uky.edu/ea, or in the EA Resource Center in Bradley 315.

**UK consortia education abroad programs**

**INTI International University**

Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 2.0
Terms Offered: Fall, Spring

This program offers a full complement of coursework in the electrical engineering major. Available courses include Circuits & Systems, Introductory Mechatronics Robotics, Analog Electronics Power Electronics & Machines, Sensors & Actuators, Digital Electronic Design, and more.

**Nagoya Automobile Engineering Program**

Language Req: None
Class Standing: Junior & Senior
Minimum GPA: 2.5
Terms Offered: Summer 2

This 5-week summer program introduced students to the engineering technology around the production of automobiles through a series of lectures led by innovators and engineers. Students also have the option of completing an intensive Japanese language course at the beginning, intermediate, or advanced level.

**University of Dundee**

Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 3.0
Terms Offered: Fall, Spring

This exchange program is designed specifically for students of the College of Engineering. Students have access to courses such as Oscillation & Waves, Magnetic, Electro- magnetism, Analogue Circuits, Digital Circuits, Analogue & Digital Systems, Control, Engineering, and more.

**National University of Ireland – Maynooth**

Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 3.0
Terms Offered: Fall, Spring, Year

This exchange program offers courses such as Analogue Electronics, Computer Control Systems, Digital Signal Processing, Electro- magnetics & Propagation, Electronic Material Science, Information Technology, Coding Techniques, Solid State Electronics, and more.

**University of Bradford**

Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 2.75
Terms Offered: Fall, Spring, Year

This exchange program offers additional engineering modules such as Fundamentals of Telecommunications, Internet, Communication, Mobile Communications Systems, Power Sources & Applications, Power Electronics, Machines, Robotics, Sensors & Actuators, Signals & Systems Theory, and more.

**UK direct education abroad programs**

**Celtic Blue: National University of Ireland – Galway (Arcadia)**

Language Req: None
Class Standing: Any
Minimum GPA: 3.0
Terms Offered: Fall, Spring, Year

A typical semester at NUI Galway offers the following courses in electrical engineering: Analogue Systems Design, Power Electronics & Machines & Control, Advanced Power Electronics, RF Engineering Electromagnetics, and more.

**University of Cape Town (Arcadia)**

Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 3.0
Terms Offered: Year, Fall, Spring

Available courses include Electrical Machines, Drives, Power Electronics, Digital Signal Processing, Power Distribution, Electromagnetics, Transmission Networks, Mobile Broadband Networks, Process Control & Instrumentation, and more.

**University of Dundee, Scotland**

Language Req: None
Class Standing: Any
Minimum GPA: 3.0
Terms Offered: Fall, Spring

This exchange program is designed specifically for students of the College of Engineering. Students have access to courses such as Oscillation & Waves, Magnetic, Electromagnetism, Analogue & Digital Circuits, Analogue Systems, Digital Systems, Control, Engineering, and more.

**University of Maynooth, Ireland**

Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 3.0
Terms Offered: Fall, Spring, Year

This exchange program offers courses such as Analogue Electronics, Computer Control Systems, Digital Signal Processing, Electro- magnetics & Propagation, Electronic Material Science, Information Technology, Coding Techniques, Solid State Electronics, and more.

**University of Bradford (ISEP Exchange)**

Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 2.75
Terms Offered: Fall, Spring, Year

This exchange program offers additional engineering modules such as Fundamentals of Telecommunications, Internet, Communication, Mobile Communications Systems, Power Sources & Applications, Power Electronics, Machines, Robotics, Sensors & Actuators, Signals & Systems Theory, and more.

**When should I study abroad?**

Most UK students study abroad during their sophomore or junior years. However, there are programs available for freshmen and senior students as well.

Another important decision to make is what time of year to study abroad. Programs are available for the academic year, the Fall and Spring semesters, Winter Intersession, and the Summer session. It is also possible to take a modulated course, which is class taught at UK with an international component during spring break or early summer.

Because many foreign institutions follow different academic calendars, it is important for students to consider the specific dates of the program far in advance. For example, many fall semester programs in the Southern Hemisphere may run from July to November and from February to June during the American spring semester.

Similarly, it may be difficult for students to study at some European institutions for the fall semester. Final exams may be scheduled in early January, and many programs do not make allowances for US students. Please be sure you consider this issue in advance.

Many students choose to study abroad during the Summer or Winter sessions. There are two summer sessions available: Summer I and Summer II. The Winter Intersession occurs between the fall and spring semesters.

**UK partner education abroad programs**

**Cardiff University (IFSU-Butler)**

Language Req: None
Class Standing: Any
Minimum GPA: 3.0
Terms Offered: Fall, Spring, Year

Cardiff offers introductory courses to electrical engineering, but also offers a number of upper level topics courses including Advanced Power Electronics, Communication Signals and Systems, Power, Machines & Control, Advanced Power Electronics, RF Engineering Electromagnetics, and more.

**University of New South Wales**

Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 3.0
Terms Offered: Fall, Spring

UNSW offers UK students access to their entire array of course options, including the following electrical engineering courses: Digital Electronics & Machines, Transmission Networks, Mobile Broadband Networks, Mobile Broadband Networks, Process Control & Instrumentation, and more.

**Scholarships**

Numerous scholarships are available for students interested in completing an education abroad program. A few are featured below, but students are encouraged to visit the EA website and to consult with their department to explore more opportunities.

**UK Education Abroad Scholarship**

This scholarship is available for students of any major or discipline with a cumulative GPA of 3.0 or higher. Other criteria vary. Awards range from $750-$1,500. Deadlines: October 1st for Spring programs, and March 1st for Fall and Summer programs.

**Kevin & Sheri Collins Endowment**

First generation full time undergraduate students; financial need; cumulative GPA of 3.0 or higher. Other criteria vary. Awards range from $750-$1,500. Deadlines: October 1st for Spring programs, and March 1st for Fall and Summer programs.