UK PARTNER EDUCATION ABROAD PROGRAMS

University of Canterbury (Arcadia)
Christchurch, New Zealand
Language Req: None
Class Standing: Sophomore & Above
Minimum GPA: 2.8
Terms Offered: Year, Fall, Spring

This program offers the opportunity to take courses such as Thermal, Statistical & Particle Physics, Quantum Mechanics, Applied Electromagnetism, Condensed Matter Physics, Classical Mechanics & Symmetry Principles, Laser Physics & Modern Optics, General Relativity, and many more.

Queen’s University Belfast (Arcadia)
Belfast, Northern Ireland
Language Req: None
Class Standing: Sophomore
Minimum GPA: 3.0
Terms Offered: Year, Fall, Spring.

This program offers physics courses such as Quantum Mechanics & Statistical & Particle Physics, Quantum Mechanics, Applied Electromagnetism, Condensed Matter Physics, Classical Mechanics & Symmetry Principles, Laser Physics & Modern Optics, General Relativity, and many more.

Scholarships
Numerous scholarships are available for students interested in completing an education abroad program. A couple are featured here,

UK Education Abroad Scholarship
- This scholarship is available for students of any major or discipline participating in an academic year, semester, or summer program in any country. Awards range from $750 to $1,500. Deadlines: October 1st for Spring programs, and March 1st for Fall and Summer programs.

Duyens Scholarship Fund for Education Abroad
- First generation full time undergraduate students, completed 30 or more credit hours with a cumulative GPA of 3.0 or higher. Award amount varies. Deadlines: October 1st for Spring programs, and March 1st for Fall and Summer programs.

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 equivalencies and course 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 Advisor to learn more about UK External Education Abroad Programs and how to apply.

Considerations for Education Abroad in the Physics Major

Physics students are encouraged to complete education abroad programs in their later semesters of study in order to complete upper-level physics topics courses and electives, rather than introductory physics courses. Students may also wish to use education abroad as a means of completing courses in their Related Area Requirement (14 hours) in areas such as computer science or mathematics.

All physics credit must be arranged with the Director of Undergraduate Studies prior to departure by completing an Academic Approval Form. In addition, any research opportunities abroad must be discussed in detail with the DUS in order to approve the proper academic credit.

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(859) 323-1026 (fax)
EducationAbroad@uky.edu

Education Abroad Programs for Students of Physics

UK Education Abroad offers a variety of programs that allow you to study Physics in an international setting. Immerse yourself in another culture, expand your knowledge of Physics, 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 Physics first-hand
- Globalize your world 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 Physics, 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.

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

Absolutely not. There are plenty of programs in 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.

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.

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**UK EXCHANGE EDUCATION ABROAD PROGRAMS**

**City University of Hong Kong**

- **Hong Kong, Hong Kong**
  - Language Requirements: None
  - Class Standing: Sophomore & Above
  - Minimum GPA: 2.0
  - Terms Offered: Fall, Spring, Year

**Available courses include Medical Physics, Nuclear Radiation & Measurement, Radia-
- **Language Requirements:** None
- **Class Standing:** Sophomore & Above
- **Minimum GPA:** 2.0
- **Terms Offered:** Year and Spring

**Available physics courses include Functional Analysis, Statistical Mechanics, Quantum Theory, Analytical Mechanics, and many more.**

**Waseda University**

- **Tokyo, Japan**
  - Language Requirements: None
  - Class Standing: Sophomore & Above
  - Minimum GPA: 2.5
  - Terms Offered: Year and Spring

**Available physics courses include Functional Analysis, Statistical Mechanics, Quantum Theory, Analytical Mechanics, and many more.**

**Karl-Franzens University of Graz**

- **Graz, Austria**
  - Language Requirements: Intermediate
  - Class Standing: Junior and above
  - Minimum GPA: 3.0
  - Terms Offered: Year and Spring

**Available courses include Programming in Physics: MATLAB, Advanced Solid State Physics, Programming Exercises in Physics:**

C ++ and Mathemática, Experimental Physics 2, and more.

**Lancaster University**

- **Lancaster, England**
  - Language Requirements: None
  - Class Standing: Sophomore and above
  - Minimum GPA: 3.0
  - Terms Offered: Year, Fall, Spring

**Courses available to UK students include Atomic Physics, Physics of Living Systems, Relativity, Nuclear and Particle, Thermal Properties of Matter, Flavor Physics, and Electromagnetism.**

**Cardiff University (IISF-Butler)**

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

Available courses include Mechanics and Matter, Fields and Flows, Quantum Mechanics, Atomic and Nuclear Physics, Condensed Matter Physics, Computational Physics, and more.

**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 availa-
- **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.

**Will I earn credits while abroad?**

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

**Where will I live?**

- Most programs provide accommodation for students in residence halls and foreign student dormitories. Some programs, particularly ones that GPA is on language immersion provide the option of living with a local family.

**How much does it cost?**

- Programs vary in cost depending on the program type, duration, and provider. Please be sure to familiarize yourself with the costs of the programs you are considering.

**UK DIRECT EDUCATION ABROAD PROGRAMS**

**Shanghai University**

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

**Courses offered include Nuclear Physics, High Energy Astrophysics, Condensed Matter Physics, Theoretical Biophysics, Physics of Star Formation, and Physics of Imaging, and more.**

**Leiden University - Undergraduate Research in Europe (ISA)**

- **Leiden, Netherlands**
  - Language Req: None
  - Class Standing: Sophomore & Above
  - Minimum GPA: 3.5
  - Terms Offered: Year, Fall, Spring

**Students of this program have the opportunity to join the work of theoretical physicist Prof. Carlo Conti (who has been awarded the Nobel Science Award for his pioneering work in the field of Nanoscience). His research focuses on the fundamental physical problems which occur when an object of macroscopic proportions is miniaturized to nanometer scale.**

**Mahidol University (KEI)**

- **Bangkok, Thailand**
  - Language Req: None
  - Class Standing: Sophomore or higher
  - Minimum GPA: 3.5
  - Terms Offered: Year, Fall, Spring

**Courses available include Electricity & Magnetism, Optics, Quantum Mechanics, Thermal Physics, Analytical Mechanics, Statistical Mechanics, Solid State Physics, Nuclear & Particle Physics, and more.**

**University of Cape Town (Arcadia)**

- **Cape Town, South Africa**
  - Language Req: None
  - Class Standing: Sophomore or higher
  - Minimum GPA: 3.0
  - Terms Offered: Fall, Spring, or Year

**This university offers courses such as Waves and Electromagnetism, Classical and Quan-
- **UK PARTNER EDUCATION ABROAD PROGRAMS**

**Baylor University**

- **Waco, Texas**
  - Language Requirements: None
  - Class Standing: Sophomore and above
  - Minimum GPA: 3.0
  - Terms Offered: Year, Fall, Spring

**These offerings include University-wide or departmental exchanges and select ISEP Ex-
- **Direct**

**These offerings include select programs hosted by an international institution in which students enroll directly or facilitated through ISEP. Students earn transfer credit.**

**UK Partner**

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

**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 sessions. It is also possible to take a spring-embedded course, which is a 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 programs 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. There are two summer sessions available: Summer I and Summer II. Summer I programs typically occur during May and early June, while Summer II programs tend to start late in the summer and end in late July or early August.

**Worried that studying abroad will delay your graduation?**

It doesn’t have to! Physics students are encouraged to consider education abroad programs in their later years of study in order to complete upper-level physics electives. This means that interested students should talk with their academic advisor early on to arrange the proper time to study abroad.

**University of Reading (ISA)**

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

Courses available to UK students on this program include Atomic & Nuclear Physics, Experi-
- **Bluegrass Down Under:**

**University of New South Wales (TEAN)**

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

Courses available to UK students on this program include Magneto & Superconductivity, Nuclear Physics, Particle Physics, Solid State Physics, Electromagnetic Theory, Quantum Theory, and many more.