

# STUDY ABROAD IN PHYSICAL SCIENCES AND MATHEMATICS

Applied Mathematics ◊ Applied Physics ◊ Chemical Physics ◊ Chemistry ◊ Geology ◊ Mathematical Analytics ◊ Mathematical and Scientific Computation ◊ Mathematics ◊ Pharmaceutical Chemistry ◊ Physics ◊ Statistics ◊ Science & Technology Studies

## WHY STUDY ABROAD?

- ⇒ **Prepare** for a career in an internationally competitive world
- ⇒ **Participate** in laboratory research, fieldwork and coursework not always available at UC Davis
- ⇒ **Apply** your studies to the international field where there is a practical need for your expertise
- ⇒ **Enhance** your resume and/or application for graduate school



## HOW DO I BEGIN?

### CONSIDER YOUR ACADEMIC GOALS

While abroad, would you want to:

- fulfill major or minor credit;
- gain marketable skills by doing lab research or an internship;
- improve a second language;
- take GEs, earn the Global and International Studies (GIS) minor.

### PLAN EARLY

- Deadlines vary by program and are 3-9 months in advance.
- The sooner you plan, the more program (and funding) options available.

### TALK TO YOUR MAJOR ADVISOR

Meet with your major advisor to discuss:

- what courses to take abroad;
- when is best to go for your major;
- what you will need to complete upon returning.

### TALK TO A STUDY ABROAD ADVISOR

- Study Abroad has over 400 programs. Let us help you find the one for you!

## PICTURE YOURSELF HERE...

*You're fulfilling Physics major requirements by taking classes from Sweden's **Lund University Physics department**; classes not offered at UC Davis like **Nuclear Physics and Reactors** and **Multi-spectral Imaging**, all taught in English. What will you do this weekend? How about travel to Switzerland and tour the CERN laboratory?*



~**8%** of all undergraduate majors are Physical Science or Math students.

**177** Physical Science students went abroad last year. Your turn!

**14.7%** of students that went on a UC Study Abroad Program last year are Physical Science or Math students. Set yourself apart with international experience!

## CAN I AFFORD IT?

**Financial aid goes with you.** Make an appointment with our Study Abroad Financial Aid advisor by calling 530-752-5763 once you choose a program.

**Scholarships are available.** Additional scholarships for those in STEM majors.

<https://studyabroad.ucdavis.edu/resources/funding>

# Sample Programs for Physical Sciences and Mathematics Students

\* The following programs are suggestions. Many more programs are available that are not listed here. Visit our website to explore all options.



**UC Davis Study Abroad** offers 60+ faculty-led programs. Program options: Quarter Abroad, Summer Abroad, Internships Abroad, Seminars Abroad, and USA Study Programs. Programs range from 2-16 weeks. Receive 2-28 units straight from the UC Davis course catalog. Examples:

## **Thermodynamics in the Land of Fire and Ice, Iceland** – Summer, ENG 105 Thermodynamics, 198

*From the geothermal heating to thundering waterfalls, you will experience thermodynamics in a very real way. Prerequisites can be waived.*

## **GIS in Bhutan—Land of the Thunder Dragon** – Summer, LDA/ABT 150, 198

*Learn how to use geographic information systems (GIS) in the peaceful, culturally rich, and biodiverse country of Bhutan in the Himalayan Mountains, where progress is measured in Gross National Happiness.*

## **UK—Organic Chemistry (Nottingham)** – Fall, CHE 128A, 128B, 128C, 129A, 198

*Complete a key UC Davis organic chemistry sequence in just one quarter and explore the rich history and culture of England.*

## **Bio Sci Statistics in Cork** – Summer, STA 100, 198 **NEW**

*A unique opportunity study STA 100 in a small group setting in a charming location in Ireland.*

## **Pharmaceutical Chemistry in Taipei** – Spring, CHE 130A-C, 135, & more: Pharmaceutical Chemistry series, advanced lab, & more

*Complete a full year of pharmaceutical chemistry and internships at one of the top 20 research institutions in the world.*

## **Internships in Sydney (Fall) or London (Spring)** – UWP or English courses with a 6-unit internship in almost any field.

*Immerse into these iconic cities for 10+ weeks while completing an internship in Stats, geology, physics, math or more.*



**UC Education Abroad Program (UCEAP)** is open to the entire University of California system. Our UC-approved programs offer UC credit, grades, and financial aid. There are 100+ UCEAP programs available in these majors. Examples:

## **UCEAP Taiwan, Summer, Lab Research, Engineering & Science, National Taiwan University**

*Engage in a lab research program at state-of-the-art engineering or science laboratories. Excursion, cultural activities, sports facilities, and housing all included.*

## **UCEAP Singapore, Summer, Science & Engineering Internship, Agency for Science, Technology & Research**

*Apply for this high-level internship opportunity to assist in cutting-edge research under international scientists on national research projects.*

## **UCEAP UK, University of Edinburgh**

*The School of Mathematics at Edinburgh is excellent and has been rated highly in Pure Mathematics, Applied Mathematics, Statistics, and Operational Research.*

## **UCEAP Hong Kong, Hong Kong University of Science and Technology**

*The school of Science offers programs in physics, math, and more all taught in English. The school emphasizes scientific studies in areas of technological importance.*

## **UCEAP Sweden, Lund University**

*Many excellent courses are offered in English in math and physical sciences. Lively college town environment in a charming medieval city.*

## **UCEAP Japan, Lab Research, Osaka University**

*Participate in full-time research within a Japanese lab team, on cutting-edge topics related to your UC field of study while choosing from a selection of science coursework taught in English.*

## **MORE OPTIONS & NEXT STEPS**

- Visit the **Major Advising Pages** to see programs for **your major** at <https://studyabroad.ucdavis.edu/academics>
- Try out the “Study Abroad Builder” advanced program search for more UCEAP programs at <http://eap.ucop.edu>
- Visit us! Let us help you find the right program for you.