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
⇒ Take side trips to places you’ve only dreamed of like San Grasso National Lab, CERN or the Arecibo Radio Telescope
⇒ Apply your studies to the international field where there is a practical need for scientists and statisticians
⇒ Enhance your resume and/or application for graduate school
⇒ Expand your worldview by experiencing another culture

HOW DO I BEGIN?
DEFINE YOUR ACADEMIC GOALS
While abroad, would you want to:
• fulfill major or minor credit
• do lab research or an internship
• master a second language
• Take GE’s or something just for fun?

PLAN EARLY
The sooner you plan your study abroad experience, the more options you have. Program deadlines can be very early.

INCLUDE STUDY ABROAD IN YOUR ACADEMIC PLAN
Meet with your major advisor to discuss quarters that you can be away from UC Davis, coursework that will need to be made up, and coursework that can be taken abroad.

TALK TO A STUDY ABROAD ADVISOR
Study abroad has over 400 programs. Some are specifically for physical science; others allow a combination of your major and other courses. Let us help you find the perfect one!

PICTURE YOURSELF HERE...
You’re taking “Nuclear Physics and Reactors” and “Multi-spectral imaging” courses at Sweden’s Lund University Physics Department, all taught in English. What will you do this weekend? How about travel

7.5% of all undergraduate majors are Physical Science or Math Students.

52 Physical Science students went abroad in 2014-15. Your turn!

4.7% of students that went on a UC Study Abroad Program in 2014-15 are Physical science or math students. Set yourself apart with international experience!

CAN I AFFORD IT?
Financial aid goes with you. Once you narrow down programs you are interested in, meet with our Study Abroad financial aid advisor to see how your aid will be adjusted for study abroad. Aid will vary depending on your package and the type of program chosen.

Scholarships are available—check out the “Finances” section of our website for a list of program based or prestigious scholarships. Additional scholarships for those in STEM!
Sample Programs for Physical Sciences and Mathematics Students

*The following programs are suggestions. Many more programs are available; come talk to an advisor at Study Abroad!

**SUMMER PROGRAMS**

**UC Davis Summer Abroad** courses are 4 weeks and taught by UC Davis faculty. Students receive 8 units for two courses from the general catalogue. Consider GEs or complementary coursework, such as:

- **Sustainable Energy Technologies** – ECH 170: Sustainable Energy Technologies & ECH 198: Directed Group Study
  
  Study photovoltaic cells and Korean culture, lithium-ion batteries and UNESCO world heritage sites. No prerequisites!

**UCEAP** summer courses are 6-10 weeks and students receive 8-15 units of credit. Taught at foreign universities with international students. All courses are UC units, but departments determine major credit. 14 options for Physical sciences, including:

- **UCEAP Turkey, International Summer School, Bogazici** –
  
  Take classes in statistics, chemistry, and physics in the historical city of Istanbul

- **UCEAP Taiwan, Lab Research, Engineering & Science, National Taiwan University** –
  
  Engage in a lab research program at state-of-the-art engineering or computer science laboratories.

**QUARTER & YEAR PROGRAMS**

**UC Davis Quarter Abroad** courses are 10 weeks long and take place in fall or spring quarter. Students receive 13-24 units for four to six courses from the general catalogue. Examples include:

  
  Complete a full year of organic chemistry in Fall quarter only while exploring the home of Robin Hood!

- **Pharmaceutical Chemistry in Taipei**: 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

**UCEAP** courses are one semester or oneyear at world-renowned universities. In most cases, students on spring programs are absent from Davis for both winter and spring quarters. All courses are UC units, but departments determine major credit. 100+ programs available in math and physical sciences. Some examples include:

- **UCEAP UK, University of Edinburgh** –
  
  Opportunity to study at one of the UK’s most established universities, alma mater of Charles Darwin, Alexander Graham Bell, James Hutton (founder of modern geology) and Daniel Rutherford (discovered nitrogen).

- **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 in beautiful old town in the South of Sweden.

- **UCEAP Japan, Tohoku or Osaka University** –
  
  Conduct research in laboratories while choosing from a selection of science coursework taught in English.

**MORE OPTIONS EXIST!**

- Check out the Major Advising Pages and see recommended programs for your major at studyabroad.ucdavis.edu

- Try out the “Study Abroad Builder” advanced program search for more UCEAP programs at eap.ucop.edu

- Consider GEs or other subject areas: Seminars Abroad are only 2 weeks long so you don’t miss any time during the year!

- Check out goabroad.com, studyabroad.com and iiepassport for non-UC options and come talk to us!