



## COLLEGE OF ENGINEERING

Aerospace Engineering, Biomedical Engineering, Civil Engineering, Computer Engineering, Computer Science, Electrical Engineering, Environmental Engineering, General Engineering, Industrial & Manufacturing Engineering, Materials Engineering, and Mechanical Engineering

### International Opportunities

*Graduating engineers who think that they will be engineering only American products in America are limiting their sights and their careers. Your workplace is the WORLD, whether you physically will be working overseas on projects, collaborating electronically with engineers from other countries in U.S. offices, or personally interacting with international customers and suppliers.*

*Entry-level engineers who are not prepared to work in the global workplace will miss the proverbial boat that is roaring into the globally linked 21<sup>st</sup> century. Thomas, C., Graduating Engineer, p. 14, March 1997*

The following programs are recommended for College of Engineering students:

#### 1. The College of Engineering Exchange Agreements offer the following options to students:

*All Majors:*

|             |   |
|-------------|---|
| AUSTRALIA   | Swinburne University of Technology                            |
| CHINA       | Nanjing University of Technology                              |
| FINLAND     | Helsinki Polytechnic Stadia                                   |
| GERMANY     | Fachhochschule Munchen - Munich University of Applied Science |
| GERMANY     | Fachhochschule Karlsruhe Hochschule                           |
| GERMANY     | University of Bremen  |
| SOUTH KOREA | Daegu University  |
| SOUTH KOREA | Seoul National University of Technology                       |
| SPAIN       | TECNUN, University of Navarra                                 |
| SWEDEN      | Chalmers University of Technology                             |
| TAIWAN      | Chaoyang University of Technology                             |
| TAIWAN      | National Cheng Kung University                                |

*Contacts:*

#### Primary Contact

Aerospace  
Biomedical  
Civil and Environmental  
Computer  
Computer Science  
Electrical  
General  
Industrial and Manufacturing

#### Advising Center

Faysal Kolkailah  
Lanny Griffin  
Kurt Lo  
James Harris  
Franz Kurfess  
Taufik  
Robert Crockett  
Roya Javadpour

#### eadvise@polymail.calpoly.edu

fkolkail@calpoly.edu  
lgriffin@calpoly.edu  
klo@calpoly.edu  
jharris@calpoly.edu  
fkurfess@csc.calpoly.edu  
taufik@calpoly.edu  
rcrocket@calpoly.edu  
rjavadpo@calpoly.edu

Materials  
Mechanical

Katherine Chen  
Jim Meagher

kcchen@calpoly.edu  
jmeagher@calpoly.edu

## 2. **The CSU International Programs (IP)**      [www.calstate.edu/ip](http://www.calstate.edu/ip)

CSU IP gives students the opportunity to take coursework in their academic major and pay Cal Poly fees. For more information contact Associate Director of IEP, Monica Schechter, in the Study Abroad Office, 38-106, or call 756-5964 or email [mschecht@calpoly.edu](mailto:mschecht@calpoly.edu). Engineering students have the following options for year-long programs:

### **Australia**

The CSU International Programs (IP) in Australia enables qualified CSU students to enroll directly in an Australian university, study with Australian faculty and students, and gain the personal experience of being fully integrated into the life of the host institution and community. In Australia, Engineering students can study at Griffith University, Queensland University of Technology, and Victoria University.

### **Canada**

IP gives students the opportunity to take coursework in their academic major and to learn about the world! In Canada, engineering and computer science students can take courses in their major, experience the Canadian culture, and learn some French. Quebec, Canada's oldest and largest province, is located in the eastern part of Canada and is bordered on the south by the states of New York and Maine. The program begins with a 5-week linguistic (French) and cultural introduction to Quebec. Following orientation, students will attend one of the universities in Quebec to pursue coursework in engineering or computer science, including McGill University (Anglophone) and the University of Montreal (Francophone).

### **Chile**

The Pontificia Universidad Catolica de Chile (PUC) is a comprehensive university with a full range of coursework. Its 17 faculties are distributed on four campuses in Santiago. Over the last few years, the university has had considerable influence on the country's cultural and scientific development. Serious students of Latin American Studies will have a number of interesting courses to choose from. In addition, there are Spanish courses offerings in Phonetics, Semantics, Grammar and Literature. Completion of at least two years of college-level Spanish (or the equivalency) is required.

### **Germany**

Students can enhance their engineering and computer science degrees by studying in Germany, a country known for its exceptional engineering and design. CSU students who complete at least one year of German before studying abroad can usually take one semester of intensive German, followed by another semester of regular university coursework in their major field of study. Many participants earn a minor in German through their participation in this program. These language skills will enhance your resume. Three institutions that offer engineering and computer science courses are the University of Stuttgart, the Fachhochschule Furtwangen, and the Fachhochschule Reutlingen. Students with sufficient German language skills may find summer internships following their year abroad. In the past, CSU students have completed internships at Siemens and Mercedes.

## **Mexico**

As international interaction becomes increasingly important, the role of Mexico grows in world affairs, and its geographic location makes it a natural partner of the U.S. As we enter this era of increased interaction it is important that we begin to understand more about our neighbors to the south. The IP program at ITESM in Querétaro provides students, with sufficient language abilities, with many engineering and computer science courses. Students interested in learning Spanish may participate in the intensive Spanish language program.

## **United Kingdom**

The CSU program in the United Kingdom is affiliated with two universities in England where students can study Engineering and Computer Science. Bradford University and Kingston University offer a full range of courses in the following fields of engineering: aeronautical, chemical, civil, computer information systems, electrical and electronic, electronic systems, mechanical, and manufacturing.

### **3. Cal Poly's Faculty-led Quarter Abroad Programs**

Cal Poly has a variety of quarter abroad programs that are intended for students of **all majors** and usually provide many general education (GE) course options for students, including the following programs:

#### **Australia Study Program**

<http://australiastudy.calpoly.edu/>

The Australia Study program is a one quarter off campus study program led by Cal Poly faculty on the North Terrace Campus of the University of Adelaide in Adelaide, Australia. The program is offered during Winter Quarter and students may obtain 12 to 16 units of Cal Poly credit. The study program includes 8 weeks of classes with weekly fieldtrips. Students will have two weeks of independent travel time at the end of the program. For further information contact the Pacific Programs Director, Richard LeRoy, at (805) 756-7321 or email [rleroy@calpoly.edu](mailto:rleroy@calpoly.edu). Information and applications for the winter 2010 program will be available in January 2009.

#### **Cal Poly at Sea**

<http://cpatsea.calpoly.edu/>

Cal Poly and the California Maritime Academy (CMA) jointly sponsor Cal Poly at Sea. Participants live and study with cadets from CMA aboard their training ship, T.S. Golden Bear, a 500 ft. ex-Navy oceanographic vessel. Students take Cal Poly courses with Cal Poly faculty. While on board, students participate in ship duties, attend classes, and find time for sunbathing on the helo deck. The charted course of the Cal Poly at Sea Cruise rotates according to a three-year cycle, each time visiting a different region of the Pacific. The South Pacific cruise has made stops in Tahiti, New Zealand, Australia, Fiji, and Hawaii. The South American Cruise includes stops in, Costa Rica, Chile, Cocos Island, and Mexico.. The Asian Cruise often visits Hawaii, the Philippines, China, Hong Kong, Vietnam, Japan, and exotic islands along the way. For further information contact the Pacific Programs Director, Richard LeRoy, at (805) 756-7321 or email [rleroy@calpoly.edu](mailto:rleroy@calpoly.edu).

**Summer Study in London Program** <http://www.calpoly.edu/~lndnstdy/>

Since 1984, over 2,500 students and 140 faculty have participated in the London Study program. The six-week Study in London Program is offered during the summer quarter. Students and faculty alike immerse themselves in courses that use London as a laboratory. While planned primarily for general education experiences in the arts, humanities, and social sciences, the program draws students from all majors. Courses are enriched by adjuncts and visiting lecturers from British institutions. It is part of the routine to leave the classroom to experience art, music, history, or architecture. Students take numerous field trips visiting London's concert halls, theaters, museums, cathedrals, and halls of government.

Spending time in London as a student is a truly unforgettable experience. London is one of the world's great cultural and economic centers. The city's modern cosmopolitan identity combines a fascinating past with a present of more than 7 million people living, studying, working, and playing in its different areas. The arts, theatre, nightlife, music, and literature are showcased in London. For further information contact the Summer Study in London Program Coordinator, Miriam Rabban, at (805) 756-6161 or email [marabban@calpoly.edu](mailto:marabban@calpoly.edu). Courses offered in summer 2009 are ARCH 320 (C4), HUM 316 (D5), HUM 319, and MUS 324 (C4).

**Peru Summer Study Program** <http://perustudy.calpoly.edu/>

The Peru Study Abroad Program is a five-week academic program offered in summer. Students will travel to Cuzco, Peru and enroll in 12 units of classes. Open to all majors, the program offers three 4 unit courses, one of which is always a Spanish language class and the other two are General Education courses with content on Latin America. The program includes a community-based service learning project and fieldtrips scheduled on the weekends to the Sacred Valley, including Machu Picchu and Lake Titicaca, with a lengthier field trip to the Peruvian Amazon at Manu National Park during the final week. For further information contact the Pacific Programs Director, Richard LeRoy, at (805) 756-7321 or email [rleroy@calpoly.edu](mailto:rleroy@calpoly.edu). Courses offered in summer 2008 are Spanish Course, HUM 310 (C4), and GEOG 370 (D5).

**Thai Study Program** <http://thaistudy.calpoly.edu/>

The Thai Study and Internship Program is a one quarter study program offering a variety of courses for all students. The program is offered during Spring Quarter. Students may obtain up to 16 units of credit. While on the program students travel throughout Thailand and are able to immerse themselves in Thai culture and learn the Thai language. During the program, students will stay in Chiang Mai--the hill tribe region of Thailand, visit Nong Khai--the Issan region in the northeastern part of the county, and spend a month in Bangkok and its surroundings. For further information contact the Pacific Programs Director, Richard LeRoy, at (805) 756-7321 or email [rleroy@calpoly.edu](mailto:rleroy@calpoly.edu).

4. **Study Abroad Affiliation Agreements.** The following affiliated programs provide a variety of Major, Minor, General Education, and Language courses for Business students in more than 30 countries:

**AustraLearn** [www.australearn.com](http://www.australearn.com)

AustraLearn is a leading non-profit provider of study abroad programs to Australia and New Zealand. The 25 Australian, one Fijian, and 8 New Zealand universities that are working with

AustraLearn have unique academic programs with the highest standard of service. AustraLearn serves as the liaison with the Australian, Fiji, and New Zealand universities and the home university regarding credit transfer, financial aid, and academic issues. Cal Poly students may be eligible for several scholarship opportunities provided to affiliated universities. For more information contact Associate Director of IEP, Monica Schechter, in the Study Abroad Office, 38-106, or call 756-5964 or email [mschecht@calpoly.edu](mailto:mschecht@calpoly.edu).

**Danish Institute for Study Abroad (DIS)**

<http://www.dis.dk>

The DIS program, founded in 1959 and affiliated with the University of Copenhagen, is a non-profit university institution recognized, supported and supervised by the Danish Ministry of Education. DIS offers English language university-level semester, academic-year and summer programs in Copenhagen for American as well as Canadian, Australian, and other international and Danish students. Courses are taught in English by Danish faculty. The objective of DIS is to provide education of a high academic quality, with a high degree of cross-cultural immersion and global skills development. DIS provides programs in Architecture, International Business and Economics, Biotechnology and Biomedicine, European Politics and Society, Psychology and Child Development, and European Culture and History. Students may also create their own concentrations. After completing study at DIS students have the opportunity to do internships, work abroad programs, and volunteer programs across Europe. For further information contact the DIS Coordinator, Monica Schechter, at (805) 756-5964 or email [mschecht@calpoly.edu](mailto:mschecht@calpoly.edu).

**Cultural Experiences Abroad (CEA)** [www.GoWithCEA.com](http://www.GoWithCEA.com)

Cultural Experiences Abroad (CEA) was founded in 1996 to provide international education opportunities for U.S. and Canadian college students of all language levels and majors. Today, CEA sends thousands of students on study abroad programs at multiple universities in 15 countries including Argentina, Australia, China, Costa Rica, Czech Republic, England, France, Germany, Ireland, Italy, Mexico, Poland, Russia, South Africa and Spain. The following program sites are excluded from the affiliation agreement: Sydney, Australia. Eligible students participating in the affiliated programs will be considered for federal financial aid and scholarship opportunities. Visit their website at: <http://www.GoWithCEA.com>. For further information contact Monica Schechter at 805.756.5964 or email [mschecht@calpoly.edu](mailto:mschecht@calpoly.edu).

**University Studies Abroad Consortium (USAC)** [www.usac.unr.edu](http://www.usac.unr.edu)

USAC offers study abroad programs at 38 sites in 24 countries during the Fall, Spring, or Summer terms. Students can choose from a wide range of academic courses offered including art, history, political science, French, German, Spanish and many more. Intensive language classes are offered at all language levels in a variety of countries within Asia, Central America, Europe and South America. For more information contact Associate Director of IEP, Monica Schechter, in the Study Abroad Office, 38-106, or call 756-5964 or email [mschecht@calpoly.edu](mailto:mschecht@calpoly.edu).