The University of Texas at San Antonio

Advising Hours
Monday - Friday
9 AM – 4 PM

Office of International Programs
One UTSA Circle
1.210 Main Building
San Antonio, TX 78249
(210) 458-7202
Fax: (210) 458-7255
studyabroad@utsa.edu
http://www.utsa.edu/intprograms/studyabroad.cfm

STUDY ABROAD OPPORTUNITIES FOR ENGINEERING MAJORS

BENEFITS TO STUDY ABROAD

- Gain field experience in different areas of engineering.
- Expand your cross-cultural communication and problem-solving skills
- Prepare you to work in an increasingly diverse and international workplace
- Globalize your world view
- Improve your language skills

There is no such thing as a "local" company or issue anymore. An international experience will provide you with the necessary skills to work effectively in industry, academia, and the public sector. Every engineering student should consider gaining international experience through study abroad. UTSA has identified several universities that work especially well if you plan to take courses in your major while studying abroad. Advance planning with the study abroad office or major adviser will ensure that courses taken during study abroad will fit smoothly into your degree program.

STEPS TO STUDY ABROAD

Attend an Information Session or Consult the Web. Information sessions are held regularly. You may attend a brief, one-hour session or consult the website listed below to learn more about study abroad.

Research, Research, Research. Investigate potential study abroad locations based on your interest and personal goals for an international experience. Do you want to improve your second language skills? Are you looking for a guided experience or are you more independent? Do you want to be with lots of other students from the U.S. or would you like to be "one of the crowd" with host country students?

Requirements. UTSA requires a cumulative GPA of 2.5 or above. You should generally have at least sophomore status at the time of application. Check language requirements for non-English speaking countries.

Consult the Study Abroad Library. Check out the resources at the Office of International Programs (MB 1.210) for more information on program details, costs, and other information.

Consult your Advisor. Speak with your academic advisor to determine whether credits from your desired program will transfer back to UTSA. You will need to gather descriptions of courses in which you are interested in taking while abroad and meet with your advisor. He/she will help you determine if you will be able to receive credit for the experience.

Apply! Complete the necessary application(s) for UTSA and your chosen program. You must submit your documents and pay required fees by the established deadlines.

Attend Pre-Departure Orientation. All outgoing students must attend the Pre-Departure Orientation given by the Office of International Programs. You will be given the date and time well in advance and must make plans to attend. If you cannot attend, you must contact your Study Abroad Advisor and make arrangements.

Scholarships and Financial Aid. The University of Texas at San Antonio offers scholarships to students studying abroad. These scholarships range from $300 to $3,600 per student. Application forms are available in the Office of International Programs. Many students are surprised to learn that their existing financial aid, including their federal aid, is frequently transferable to studying abroad. UTSA allows students to use all federal, state and institutional aid for study abroad programs. Generally, federal financial aid requires that you earn academic credit toward your degree program while you are abroad in order for the experience to be eligible for aid. So volunteer programs, for example, are less likely to be eligible for aid. If you already receive financial aid and have already completed your FAFSA form for the academic year in which you intend to study abroad, you won't need to submit another one. However, if you've never submitted a FAFSA form before, you should leave yourself plenty of time to do so.

APPLICATION DEADLINES

**International Education Fund and Study Abroad application at UTSA.*

Spring-Oct. 15 Summer-Feb. 15 Fall-Mar. 15

Affiliated Programs:

Australia

University of Western Australia (Perth)

This university of 13,000 boasts one of the most beautiful campuses in Australia; its open courtyards and Mediterranean-style architecture reflect the open attitude of the university's intellectual environment. Research areas in the School of Civil and Resource Engineering are structural engineering, geomechanics, rock mechanics, resource engineering and hydraulics. The university also hosts the Centre for Offshore Foundation Systems and the Australian Centre for Geomechanics. UWA offers a variety of courses including *Expert Systems, Environmental, Geomechanics, Foundation and Offshore Engineering, Soil-structure Interaction, Hydraulics,* and many areas within Structural and Environmental Engineering. (Sponsors: IFSA-Butler, Arcadia)

University of New South Wales (Sydney)

The University of New South Wales (UNSW) has established high research standards in engineering and technology. UNSW prides itself as being Australia's most international campus and enjoys a 12:1 student-faculty ratio. Academic year or semester programs are available to juniors and above. Electrical and Computer Engineering Courses include: *Circuit Theory, Analog Electronics, Digital Circuits, Electronic Signal Processing, Systems & Control, Microprocessors & Interfacing, Engineering Economics, Information & Decision Making Technology, Digital Systems Structures, Algorithms & Programming Techniques, Software Engineering, Computer Networks & Applications*, and *Artificial Intelligence*. (Sponsor: IFSA-Butler)

Queensland University of Technology (Brisbane)

QUT is one of Australia's largest universities with 39,000 students and prides itself on being modern, progressive and technologically advanced. QUT has three campuses, all located in Brisbane, the capital city of the state of Queensland, Australia. Brisbane, with a population of 1.6 million people, is a safe, friendly and culturally diverse city. Incoming exchange students from QUT's partner institutions are part of the university's population of 4,500 international students, who come to QUT from over 80 countries around the world. QUT offers a wide range of engineering courses such *as Engineering Mechanics 1, Engineering Mathematics 1A, Introducing Sustainability,* and *Geotechnical Engineering.* (Sponsor: AustraLearn)

France

French Riviera

The Engineering program at CERAM – EAI provides the opportunity for students to study engineering, in English, while on the French Riviera. Uniquely placed in Sophia Antipolis, a purpose built Research and Technology Park, CERAM – EAI is surrounded by international engineering companies putting to use the skills you will learn while there. You may choose engineering courses from the following engineering disciplines: Aerospace Engineering, Chemical Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering
At the same time, you can supplement your studies with courses in other areas of math, science and technology, as well as general education courses such as humanities and psychology. While not required, students are encouraged to study French language, offered at all levels, as well as French culture and society.
All students will choose 2 engineering courses from the various engineering disciplines offered. You will also choose 2 or 3 additional electives according to your interests and needs.
(Sponsor: CEA)

Germany

Technische Universität Dresden (TUD)

This program is specially designed for engineering students who wish to combine engineering coursework in English with the study of German. It is also designed to fit into engineering students' existing curriculum and requirements. After completing the intensive German-language course, engineering students will choose three out of six courses at TUD—*Differential Equations, Electric Circuit Theory, Waves and Modern Physics, Linear Algebra, Principles of Biology* and *Thermodynamics*—and will also take *The Social Nature of Technology*. These courses are all approved by Boston University's College of Engineering and the College of Arts and Sciences. Students also participate in field trips to research institutions, technical museums, and companies to gain insights into the history, the present, and the future of engineering technologies.(Sponsor: Boston University)

Ireland

University College Cork - National University of Ireland, Cork

As a student at the University College Cork - National University of Ireland (UCC), you will choose from a range of engineering courses offered in the Faculties of Engineering and Technology Department. Courses are arranged in the seminar and lecture style, and grades are based predominantly on work submitted during the semester and by final exam. In order to integrate into the Irish system as fully as possible, Spring Semester and Academic Year students will take the normal end of the year exams. Other exam arrangements will be made for Fall Semester students on most courses. Math and engineering courses are only available to students studying for the spring semester or the full academic year, as exams for these courses are only held at the end of May. (Sponsor: API)

Korea

Yonsei University (**Seoul**

The CIEE Study Center at Yonsei University provides students with a supportive environment in which to study at a top-ranked Korean university and experience life in Seoul. While its participants enroll in Yonsei University courses alongside international students, CIEE resident staff organize a special orientation and co-curricular program meant to provide a deeper understanding of Korea. Program participants take courses in English and Korean through the Underwood International College (UIC), division of Yonsei University. There are a wide range of courses available to engineering students. (Sponsor: CIEE)

Mexico

Universidad de las Américas (Puebla)

This program is open to engineering majors with beginning, intermediate, and advanced levels of Spanish. Elective courses are available in English for students at all levels. Students can earn 12 credit hours per semester. Most classes will be no larger than 12-20 students per class. Students will take an online placement exam prior to departure, and another exam to test

oral and written proficiency upon arrival at UDLA. An official transcript from UDLA with an English translation will be issued upon successful completion of the program. Some of the courses offered include: *Mechanics for Engineers II, Materials Science I, Solids Mechanics I, Materials Science II, Finite Elements & Lab, Mechanisms, Design I, Vibrations, Design II, OLE Electronic Systems,* and *Internal Combustion Engines.* (Sponsor: API)

Russia
Moscow State University, Moscow
The Math and Engineering Research Program at Moscow State University (MSU) emphasizes on courses and research in mathematics and engineering. Research internships are available with MSU faculty and science centers in Moscow. Courses and internships are in English but there are options in Russian as well. The cultural component includes: field trips and cultural activities in Moscow, St. Petersburg, Suzdal and Vladimir. This program is offered during the fall semester, spring semester, academic year, summer session I and summer session II. Students can earn up to 18 academic credits per semester and up to 12 credits during the summer. A minimum GPA of 2.5 on a 4.0 scale is required. (Sponsor: KEI)

South Africa
University of Cape Town
The CIEE Study Center at the University of Cape Town provides students with a range of academic and intellectual experiences that enable them to reflect upon the complexities and challenges facing the new South Africa. Through integration in local communities, students become participants in, rather than mere observers of, this dynamic and evolving environment. Through this process, students gain a comprehensive understanding of social relations within South Africa. Courses are available in the following disciplines**:** Chemical Engineering **,** Civil Engineering **,** Construction Economics & Management**,** Electrical Engineering**,** and Mechanical Engineering. (Sponsor: CIEE)

Turkey
Middle Eastern Technical University (Ankara)
The Middle Eastern Technical University (METU) is a public institution that was founded on the American university model and is currently one of the region's leading technical universities. Students on this program take a course in Contemporary Turkish Culture and Turkish Language in addition to regular university courses taught in English. Possible areas of study include food engineering, civil engineering and mechanical engineering. (Sponsor: CIEE)

United Kingdom
University College-London
City University is one of the premier universities in England for science and engineering. The School has a long history of innovation in engineering education, preparing graduates to take leading roles in industry. It offers courses across the range of engineering disciplines and has recently developed a number of new courses to meet changing requirements in the field. These include courses in Engineering and Energy Management and Media Communication Systems, as well as master's courses in Air Transport Management and Technology, Economics, and Strategy. It may be difficult to obtain course descriptions prior to study at City University, so students will need to remain flexible about desired courses within the major. (Sponsor: IFSA-Butler)

University of Nottingham, Nottingham
Set on 300 acres of lush parkland near Robin Hood's legendary Sherwood Forest, University of Nottingham is a top notch research and teaching institution. The School of Civil Engineering's international research reputation is established in the areas of Engineering Surveying and Geodesy, Pavement and Geotechnical Engineering, Environmental Fluid Mechanics, Structural Engineering and Construction Management with a large portfolio of research contracts. Nottingham offers courses in a variety of areas that include Construction Management, Engineering Materials, Mathematics and Surveying, Geotechnical, Hydraulic and Structural Engineering, Concrete Structures and Technology, Soil Mechanics, Ridge Engineering, Earthquake and Civil Engineering Dynamics, Geodesy, Earthworks Engineering, Information Technology in Engineering, Traffic Engineering, and Wind Engineering. (IFSA-Butler, Arcadia)

Summer Programs:

France
Engineering Internships and Research Projects
This program is designed for students in all major areas of engineering who are looking for international experience during the summer. With Syracuse University, you will do your course work in English and, in some programs, learn the language of the country. As part of the program, and included within the fees, you will take numerous overnight and day trips to local and regional sites of interest. Students must be enrolled in an undergraduate or graduate level engineering program. A basic level of French is necessary. Internships types include: Chemical, Civil, Mechanical, and Electrical Engineering. (Sponsor: Syracuse University)

PROGRAM SPONSOR CONTACT INFO

Affiliated Study Abroad Programs are coordinated and managed by outside organizations and companies. Program costs are set by each program provider and vary with the length of program, location and cost of living. Programs are generally available for the summer, fall or spring semester or academic year.

API
http://www.academicintl.com/

Arcadia
http://www.arcadia.edu/cea

AustraLearn
http://www.australearn.org/

Boston University
http://www.bu.edu/abroad/

CEA
http://www.gowithcea.com/

CIEE
http://www.ciee.org/

IFSA-Butler
http://www.ifsa-butler.org/

KEI
http://www.keiabroad.org

Syracuse University
http://suabroad.syr.edu/

Additional Resources

Please note your study abroad options are not limited by the programs listed here. For more information on additional study abroad opportunities such as intensive language programs and/or internships in your field please contact the International Programs Office.