

Study Abroad Opportunities  
for  
*Science and Engineering Students*

One of the most common myths associated with study abroad is that you cannot study abroad if your major is in the sciences or engineering. While it is historically true that study abroad programs first offered courses in language and culture, over the past ten years, technical courses have become increasingly available on overseas study programs.

Today, an international perspective is an essential aspect of an undergraduate science or engineering degree. In some cases, recent graduates find employment with multinational firms, and have the opportunity to work overseas. But these are not the only students who stand to benefit from international education. Even those who seek positions in the United States will need the cross-cultural skills that come from overseas study.

An article in the *Wall Street Journal* bears this out. "In a globalized workplace, most employees live and work at home, but use technology to customize products and services for clients worldwide, communicate with suppliers and collaborate on projects with overseas offices. In this arena, knowing how to work comfortably with people from diverse backgrounds is a requirement, not an option." ("Get Ready for the Global Workplace," 17 Jan 2001).

In an effort to develop students' international competency, the School of Engineering and Applied Sciences at the University of Rochester has worked with the Center for Study Abroad to broaden opportunities for engineering majors. Foremost among these opportunities is the Ort Braude Exchange, a study abroad exchange program which allows engineering students to spend the spring of the sophomore year in Karmiel, Israel. The courses are taught in English at the Ort Braude Technical College.

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Courses in the sciences or engineering are also available on the following study abroad programs, all of which are affiliated with the University of Rochester:

<b>Argentina:</b>	Buenos Aires, Institute for the International Education of Students (IES)
<b>Australia:</b>	IES Adelaide; IES Melbourne, IES Sydney (in English)
<b>Austria:</b>	IES Vienna
<b>Chile:</b>	IES Santiago
<b>Ecuador:</b>	IES Quito
<b>Egypt:</b>	The American University in Cairo (in English)
<b>England:</b>	IES London (in English) University of Sussex Exchange (for Brain & Cognitive Science majors) (in English)
<b>France:</b>	IES Nantes
<b>Germany:</b>	Cologne Exchange, IES Berlin, IES Freiburg
<b>India:</b>	IES Delhi (in English)
<b>Ireland:</b>	IES Dublin (in English)
<b>Israel:</b>	ORT Braude Exchange, Karmiel (in English) Ben Gurion Univ. of the Negev, Beer Sheva The Hebrew University of Jerusalem
<b>Italy:</b>	IES Rome
<b>New Zealand:</b>	IES Auckland, IES Christchurch (in English)
<b>South Africa:</b>	Cape Town (in English)
<b>Spain:</b>	IES Granada, IES Madrid, IES Salamanca
<b>Sweden:</b>	Uppsala University (in English)

Many of these programs offer courses in English; others require proficiency in the appropriate foreign language. See "*UR There A Guide to Study Abroad*" for descriptions of each of these programs.

Study abroad presents unique challenges for science and engineering students because their curricula are often strictly regimented with technical requirements for the major. In the case of engineering students, some of these courses are also required in order to obtain professional certification. Early planning is essential.

Take extra care when choosing technical courses abroad. As you're applying to study abroad, consult with a study abroad adviser about program choices, and to obtain study abroad program catalogs and brochures. Meet with the undergraduate adviser in the department of your major in order to find out course equivalencies and to obtain written approval. If you are an engineering student, you may also consult with John Ballou, Academic Adviser in CCAS and the School for Engineering and Applied Sciences.

**<http://www.rochester.edu/abroad/>**