



Education Abroad in ENGINEERING

Benefits of International Experience for Engineers

With the growth of international trade and multinational companies, it is critical for engineering students to gain international experience and develop intercultural skills, such as cross-cultural communication, critical thinking, empathy, and tolerance for ambiguity. Students who go abroad are also able to develop professional skills in a multicultural setting, as well as deepen your knowledge of other countries and cultures. These experiences can better prepare you to interact with people from backgrounds different from your own. Education abroad may be in the form of a study abroad program, research experience, internship abroad, or an engineering service project in another country. Education abroad is among the most significant and transformative educational experiences available.

Steps to go abroad

- Get a passport
- Complete the online Education Abroad Workshop
- Meet with an ISO education abroad advisor and explore opportunities
- Talk with your department about timing and course requirements
- Learn about funding resources (financial aid, scholarships)
- Research programs and apply online
- Participate in cross-cultural seminars (CORE)

For more information on program options, make an appt. online with an ISO Education Abroad Advisor according to the country or region of your interest.

International Studies Office
208 Minor Hall

studyabroad@virginia.edu
educationabroad.virginia.edu

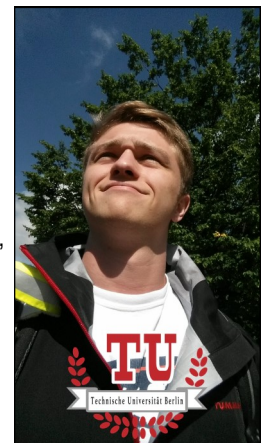
Contact your engineering department's study abroad advisor to discuss course requirements and timing considerations:

<https://engineering.virginia.edu/about/offices/international-programs#accordion59362>

Interested in other disciplines?
Explore additional major advising sheets online at
<http://educationabroad.virginia.edu/your-major>

Student Testimonial

"While abroad I learned a lot about big city life. Having grown up in McLean, VA, I never truly experienced what it's like to actually live in a major city. Taking in Berlin's sights, smells, and sounds on a daily basis changed my perception of life in a big city. Transitioning into the German university system also changed my perspective. It was certainly a challenge at first—nobody makes you go to class, do homework, or take mid-terms. It's all about the big intimidating exam at the end and if you fail as an exchange student, things can get a little hairy. With this thought in mind, I had to change how I went about my studies, which certainly improved my study habits for the future. Overall, studying abroad confirmed my preconception that Germany is an engineering paradise. Regardless of whether or not you want to work in automotive, aviation, railway, complex machine design, etc., Germany pretty much has it all. Since I am crazy about cars, this insight will definitely shape my career focus for the future." - Edgar Hoover, UVA Exchange: TU Berlin



Academic and Timing Considerations

Engineering students should begin planning their education abroad experience early on in their undergraduate careers, particularly if you want to go abroad for a semester or a year. There are a wide variety of exchange partners and outside program providers that facilitate direct enrollment to local institutions, making the options for engineering coursework abroad for a semester or year plentiful. There are also a number of summer and January term study programs, research opportunities and internships available. You can use study abroad credit for major, technical, unrestricted and humanities and social science electives, but all approvals are given on a case-by-case basis through your department.

As early as your first year, you should meet with an ISO Education Abroad Advisor, as well as your engineering department's designated study abroad advisor to identify which semester or year will work best (<https://engineering.virginia.edu/about/offices/international-programs#accordion59362>). You can also meet with Professor Dana Elzey, the director of International Programs in School of Engineering and Applied Sciences (dme2j@virginia.edu).

Consider what requirements you can take abroad. What courses could you potentially move around, or if could you fulfill the same requirements abroad that you would be taking here on-Grounds in a given semester? There may be a particular semester that is more flexible for going abroad, or you may need to map out exactly the same courses you would be taking here on-Grounds. It depends on your major and where you are with your requirements.

International Opportunities in Engineering

This list is a starting point; you are *not* limited to these options. Participation in a UVA Exchange or Outside Program requires transfer credit approval through your department and the SEAS Dean's Office.

Europe

- **Denmark**, UVA Exchange: University of Southern Denmark
- **France**, UVA Exchange: Hautes études d'ingénieur (HEI) in Lille (summer research exchange available as well)
- **France**, Summer Engineering, Technology, & Society in Toulouse
- **Germany**, UVA Exchange: Technical University of Munich
- **Germany**, UVA Exchange: TU Dortmund University
- **Germany**: UVA in Germany: Global Technology Practice (summer)
- **Ireland**, UVA Exchange: University College Dublin
- **Ireland**, Engineering, Technology & Society in Dublin with CIEE
- **Ireland**, Dublin City University through IES Abroad
- **Ireland**, National University of Ireland, Galway through IFSA-Butler
- **Ireland**, National University of Ireland, Maynooth through IFSA
- **Ireland**, Trinity College Dublin Honors Program through IES
- **Ireland**, University College Cork through IFSA-Butler
- **Ireland**, University of Limerick through IFSA-Butler
- **Italy**, study in Rome through Arcadia University
- **Spain**, study in Madrid through IES Abroad
- **Sweden**, UVA Exchange: Lund University
- **Sweden**: UVA in Sweden: Systems Practicum (summer)
- **Turkey**, Arts & Sciences in Istanbul through CIEE
- **United Kingdom**, UVA Exchange: University of Bath
- **United Kingdom**, UVA Exchange: University of Birmingham
- **United Kingdom**, UVA Exchange: University of Edinburgh
- **United Kingdom**, UVA Exchange: University of Glasgow
- **United Kingdom**, UVA Exchange: University of Nottingham
- **United Kingdom**, Cambridge: Cambridge University through IFSA-Butler
- **United Kingdom**, City University, London through IES Abroad
- **United Kingdom**, Queen's University Belfast through IFSA-Butler
- **United Kingdom**, University College London
- **United Kingdom**, University of Sussex through IFSA-Butler
- **United Kingdom**, University of Ulster in Belfast through IFSA
- **United Kingdom**, University of Westminster through IFSA-Butler
- **United Kingdom, Wales**, Swansea University through Arcadia

Africa

- **South Africa**, Arts & Sciences in Cape Town through CIEE

Asia

- **China**, UVA Exchange: Tsinghua University
- **Hong Kong**, UVA Exchange: University of Hong Kong

- **Hong Kong**, UVA Exchange: Hong Kong University of Science & Tech.
- **Korea**, UVA Exchange: Korea University
- **Singapore**, UVA Exchange: National University of Singapore

Oceania

- **Australia**, UVA Exchange: University of Melbourne
- **Australia**, UVA Exchange: University of New South Wales
- **Australia**, UVA Exchange: University of Queensland
- **Australia**, UVA Exchange: University of Tasmania
- **Australia**, Summer Internships w/ Arcadia University
- **Australia**, Deakin University in Melbourne through EAN
- **Australia**, Griffith University in Brisbane through IFSA-Butler
- **Australia**, James Cook University in Cairns through EAN
- **Australia**, Monash University in Melbourne through EAN
- **Australia**, Murdoch University in Perth through EAN
- **Australia**, Queensland University of Technology through EAN
- **Australia**, University of Adelaide through IFSA-Butler
- **Australia**, University of Sydney through IES Abroad
- **Australia**, University of Technology Sydney through EAN
- **Australia**, University of Western Australia in Perth through EAN
- **Australia**, University of Wollongong through EAN
- **New Zealand**, UVA Exchange: University of Auckland
- **New Zealand**, UVA Exchange: University of Otago
- **New Zealand**, Massey University in Wellington through IFSA-Butler

Central & South America

- **Argentina**: UVA in Argentina: Systems Practicum (January or summer depending on the year): (SYS 2054/3054)
- **Brazil**, UVA Exchange: Universidade Federale do Rio de Janeiro
- **Chile**, Chilean Universities Program in Santiago through IFSA
- **Chile**, study in Santiago through IES Abroad
- **Ecuador**, Universidad San Francisco de Quito through IES Abroad
- **Guatemala**: UVA in Guatemala: Engineering Public Health (summer)
- **Peru**, Pontificia Universidad Catolica del Peru through IFSA-Butler

North America

- **Canada**, UVA Exchange: McGill University
- **Canada**, UVA Exchange: University of British Columbia