

# Engineering International Programs

## Why You Should Go Abroad As An Engineer



Venice, Italy



Robben Island, South Africa

### BENEFITS

- Personal Growth
- International experience
- Career Advantages

### Steps to go abroad

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

**FOR MORE INFORMATION:**  
**Engineering International Programs**, Thornton B103.

#### International Studies

**Office** - 208 Minor Hall

#### Education Abroad

#### Advisors:

<http://educationabroad.virginia.edu/>

### Benefits of International Experience for Engineers

**Studying abroad** provides you opportunities in developing your professional skills and cultural knowledge of other countries. This experience better prepares engineering students to interact with people around the world. Our office, **Engineering International Programs**, mentors engineering students and offers advice as to which international program better suits a student's major & curriculum. **EIP** works collaboratively together with the **International Studies Office**, offering a variety of engineering-focused international learning opportunities during the semester, summer or J-term. Our programs may be in the form of an education abroad, internship, or a service learning project. **Life, work or study** in another's culture ranks among the most profoundly transformative experiences available to a 19-21 year old. Students return never regretting their decision of studying abroad. Your whole perspective about yourself and the world changes.



Valencia, Spain



Montserrat Mountain Range, Spain

### 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, research and internship options in engineering available. You can use study abroad credit for major, technical, unrestricted and humanities and social science electives.

In as early as your **first year**, you should begin by identifying which semester makes the most sense for you to study abroad taking into consideration what requirements you are currently fulfilling on-Grounds and what you can move around to be able to go abroad or if you can fulfill the same requirements abroad. 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'd be taking here on Grounds. It all depends on your major and where you are with your requirements.

You might then begin your research by identifying a country, or two, in which you are interested in studying and meet with the education abroad advisor for that region. Meet with an education abroad advisor to find a program in your major, determine how to find courses, and then meet with a departmental advisor to get approvals. <http://www.seas.virginia.edu/acad/studyabroad/advisors.php>

### University Partnerships Worldwide

#### 10 Reasons for Internationalizing Your Engineering Degree

1. To be prepared for today's global workplace.
2. To be more competitive for leadership track positions.
3. To earn a higher salary.
4. To be more marketable.
5. To understand yourself better.
6. To appreciate your own country in a far deeper way.
7. To become more flexible and adaptable to new situations.
8. To improve your communication skills.
9. To be able to work better with colleagues from other national and cultural perspectives.
10. To have fun, meet people, and gain a world of contextual skills.



“This experience has had a significant impact on helping me to figure what is important to me and what my career goals are.” [Sydney Stenseth]

# Global Experiences

## Highlighted Programs & Opportunities

### SPAIN

#### UVA Engineering in Valencia

**UVA** has been in Valencia, Spain for over thirty years. In the fall 2016, a new full semester program in engineering was launched. Each fall semester, **Second Year** engineering students are invited to attend. Students will receive UVA direct credit. All of the engineering courses are in English. Prerequisite: Intermediate Spanish over 2000 level. Open to Computer Science and Systems Engineering majors.

### SOUTH KOREA

**Engineering International Programs** and **Daegu Gyeonbuk Institute of Science and Technology (DGIST)** have recently formed a new research exchange program for undergraduate engineering students. **Rising Third Year** and **Fourth Year** engineering students are eligible to apply.

**DGIST** is a modern, fully equipped research institution specializing in science and engineering. Founded in 2004, DGIST is located in a country-like setting in Daegu - South Korea's third largest city.

### INTERNSHIPS

The **School of Engineering & Applied Science (SEAS)** encourage & support any engineering student interested in an internship abroad. **Engineering International Programs** will help identify internship opportunities that are exclusively dedicated to UVA engineering students.

All internships are coordinated through the **Office of Global Internships**.

Director: Ingrid Hakala  
[ihm6t@virginia.edu](mailto:i hm6t@virginia.edu) Tel. +1 434.243.5879

### JAPAN

Students interested in research may also consider a research exchange program with **Shibaura Institute of Technology, Japan**. Each institution will host up to four (4) students annually for a period up to twelve weeks.

### SERVICE LEARNING PROJECTS

The **School of Engineering & Applied Science (SEAS)** offers numerous opportunities to engage in service learning projects, primarily in Guatemala, Nicaragua and South Africa. Students interested in international service work may contact **Engineering International Programs** office or the **Engineering Students Without Borders (ESWB)**.



Stuttgart, Germany

## Faculty-Led Programs

### GERMANY

#### GLOBAL TECHNOLOGY PRACTICE

##### Summer Program

**Courses – ENGR 4595 and GETR 3559**

**GTP** is designed to give students an introduction to the development and use of technology in Stuttgart, Germany and the role of cultural values in shaping technology practice. Students will spend 4 weeks in Germany. Open to all UVA undergraduates of any major and year of study. No language requirement.

**Program Director Dana Elzey,**  
dme2j@virginia.edu.

### GUATEMALA

#### ENGINEERING & PUBLIC HEALTH: AN INTERDISCIPLINARY EXPLORATION OF COMMUNITY DEVELOPMENT

##### Summer Program

**Course – STS 3500 or GDS 3559**

The course focuses on different aspects of Public Health ranging from infrastructure, health care, potable water, sanitation, the environment and education. Spanish is not required, but could be useful. Open to all UVA undergraduates. **Program Director Kent**

**Wayland** – kaw6r@virginia.edu.

### SWEDEN

#### GLOBAL SUSTAINABILITY CONSULTING

##### Summer Program

**Course – SYS 2054 or SYS 3054**

A two week program in Lund, Sweden. Students will learn how the principles and values of sustainable development are integrated into organizations in Sweden. Open to all UVA students. No language requirement.

**Program Director Greg Lewin** –  
gcl8a@virginia.edu.

### ARGENTINA

#### INTERNATIONAL CONSULTING

##### January Term

**Course - COMM 4293 or SYS 2054/3054**

Students will practice problem-solving in an international consulting context.

Working together in a team, students will propose solutions to real-world challenges experienced by wineries in Argentina. All coursework is conducted in English. **Program Director Reid Bailey**

rrb5b@virginia.edu.

#### KEY QUESTIONS TO THINK ABOUT

- What type of program are you interested in?
- When do you want to study abroad?
- Do you speak a second language?
- Can I fit this in with my course requirements?



Bodega Norton Winery, Argentina

# International Opportunities in Engineering

## Europe

- [Denmark, UVA Exchange: University of Southern Denmark](#)
- [France, UVA Exchange: Hautes études d'ingénieur \(HEI\) in Lille](#)
- [France, Summer Engineering, Technology, & Society in Toulouse](#)
- [Germany, Berlin: Summer Global Internship Program](#)
- [Germany, UVA Exchange: Technical University of Munich](#)
- [Germany, UVA Exchange: Technical University of Berlin](#)
- [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, UVA in Valencia, Fall Semester for Second Years](#)
- [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

- [Egypt, UVA Exchange: American University in Cairo](#)
- [South Africa, Arts & Sciences in Cape Town through CIEE](#)

## Asia

- [China, UVA Exchange: Peking University](#)
- [China, UVA Exchange: Tsinghua University](#)
- [Hong Kong, UVA Exchange: The Chinese University of Hong Kong](#)
- [Hong Kong, UVA Exchange: University of Hong Kong](#)
- [Hong Kong, UVA Exchange: Hong Kong University of Science & Tech](#)
- [Japan, UVA Exchange: Shibaura Institute of Technology](#)
- [Japan, UVA Exchange: Sophia University](#)
- [Japan, Tokyo, UVA Exchange: Waseda University](#)
- [Singapore, UVA Exchange: National University of Singapore](#)
- [South Korea, UVA Exchange: Daegu Gyeongbuk Institute of Science & Technology \(DGIST\)](#)
- [South Korea, UVA Exchange: Korea University](#)
- [South Korea, UVA Exchange: Seoul National University](#)
- [Turkey, UVA Exchange: Bogazici University](#)

## Oceania

- [Australia, University of Adelaide through IFSA-Butler](#)
- [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, Griffith University in Brisbane through IFSA-Butler](#)
- [Australia, James Cook University in Cairns through EAN](#)
- [Australia, Monash University in Melbourne 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](#)
- [Fiji, UW Madison-Platteville; Fiji University of South Pacific](#)
- [New Zealand, UVA Exchange: University of Auckland](#)
- [New Zealand, UVA Exchange: University of Otago](#)
- [New Zealand, Massey University in Wellington through IFSA-Butler](#)

**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