International Engineering PROGRAM

College of Engineering and Computer Science

University of Central Florida
Current Global Situation

• The world has changed
• Multinationals are now truly multinational!
• Mergers and acquisitions becoming more commonplace
  • Siemens Westinghouse
  • Chrysler-Fiat
• International collaborations becoming increasingly common
• Essential for US engineers and scientists to experience professional field from multinational perspective
International Engineering Program

• Excellent vehicle to gain international perspective

• Completion of minor goes on transcript – proof of completion

• Eighteen carefully selected partner institutions – all over the world (with 2 more on the way!)
  • Focus on Europe, Asia, and Latin America... in that order
What does this minor consist of?

Total of 18-20 hours

1. Six to eight credits of a foreign language, preferably at UCF
2. Three credits of cultural coursework at overseas partner institution
3. An experience abroad consisting of either:
   • Nine credits of engineering/technical coursework or
   • Nine credits of internship overseas

See:

www.cecs.ucf.edu/minors/internationalengineering/
What if I already speak a language or the country is Anglophone?

• Well, no need to do useless things!
• Instead of the six language credits, the student will take two restricted cultural courses at UCF.
• Long list of possible courses to take.
  • See catalog link on previous page
  • See International Engineering advisor
Language Proficiency Policy

For International Engineering Exchange Programs that include class instruction in a foreign language:

• Students must show **advanced proficiency** in the language either through instructor consent or by taking the Foreign Language Proficiency Exam

• If the student does not demonstrate advanced proficiency they must spend 1 year abroad
  • First semester devoted to language study
  • Second to Engineering/Computer Science coursework
Eligibility

- UCF undergraduate in any Engineering major, Computer Science or Information Tech.
  - Graduate students not eligible for minor, but can do study abroad
- Junior or senior standing (not too close to graduation)
- 2.75 UCF GPA or recommendation from faculty (NOTE: some programs require a higher GPA)
What if I don’t want to go overseas?

- The IE minor requires an experience abroad
- Central focus of program!!!
  - No exceptions!!
- Can be for:
  - 1 semester (minimum)
  - 2 semesters
- Credits earned overseas may apply to degree
- Financial aid is available
Study Locations

Several institutions and countries are currently available
Europe

- Jonkoping University, Jonkoping, Sweden
- Malardalen University, Vasteras, Sweden
- Universidad de Cantabria, Santander, Spain
- Universidad de Jaen, Jaen, Spain
- Technische Universitat Ilmenau, Ilmenau, Germany
- Fachhochschule Erfurt, Erfurt, Germany
- Westfalisiche Hochschule, Gelsenkirchen, Germany
Europe

- Universite de Joseph Fourier, Grenoble, France
- University of Technology of Compiègne, France
- Dublin Ins. of Technology, Dublin, Ireland (Very Competitive)
- University of Surrey, Surrey, UK (Very Competitive)
Central and South America

- Pontificia Universidad Catolica de Rio Grande do Sul, Porto Alegre, Brazil
- Pontifical Catholic University of Rio de Janeiro, Rio de Janeiro, Brazil (Coming Soon)
Asia and Pacific

- RMIT University, Melbourne, Australia
- Nanyang Technical Univ., Singapore, Singapore
- Tongji University, Shanghai, China
- Hong Kong Polytechnic Inst., Hong Kong, China
- Saitama University, Saitama, Japan
- Yamaguchi University, Japan
Future Study Locations

- Italy
- Turkey
- Taiwan
- South Korea
- India
- Chile
- Argentina
- Peru
- New Zealand
So You Want To Study Abroad?

• Making the arrangements is a five stage process:
  I. Academic Arrangements
  II. Administrative Arrangements
  III. Financial and Logistic Arrangements
  IV. Experience Abroad
  V. Post-Return Activities
Stage I – Academic (Longest)

1. Consult with the IE Minor advisor (Ms. Brittany Kester, ENG I–107) 
   Brittany.Kester@ucf.edu to:
   a. Select semester for study abroad
   b. Complete the Declaration of Interest Process: 
      http://www.cecs.ucf.edu/study-abroad
   c. Select coursework to take abroad
   d. Assist w/language requirements (if applicable)
   e. Petition courses through your department to ensure that coursework applies towards your degree
   f. If language training is not required, then submit to language fluency evaluation
   g. Declare the minor online in MyUCF
   h. Enroll in appropriate classes at UCF
Stage II - Administrative

2. Meet with counselor at the Office of International Studies (OIS) Ms. Maureen Waked exchangeout@ucf.edu to:
   a. Complete the UCF study abroad application
   b. Apply to overseas partner institution of choice
   c. Obtain help in enrolling at partner institution
   d. Obtain help in making living arrangements
   e. Become informed about country of destination

www.studyabroad.ucf.edu
Stage III – Financial and Logistics

3. Logistics – May require research and assistance from OIS

- Financial arrangements
  - Apply for need-based or merit-based scholarships

- Travel documents
  - Get your passport
  - Apply for and secure your visa
  - Purchase airline tickets
Stage IV – Experience Abroad

4. Pack your bags and go forth!
   • Do well in classes
   • Enjoy!
Stage V – Upon Return to UCF

• Grades will be sent in by overseas institution to Office of International Studies
• Grade will be converted to A/B/C/D/F and assigned to your UCF course
• You may remain in country for additional time
  • Depending on country, visa, and length of visit
How much will it cost me?

Very important, but a bad excuse to not do it

- Cost of tuition is same – you pay it at UCF!
- Cost of apartment is roughly the same
- Cost of food is roughly the same
- Transportation on site generally cheaper - no car
- Air fare: $500 to $2000, depending on location
- Visa, passport, fees, etc: $500 to $1,000
- Entertainment – can be high ($2K to $3K)
Financial Aid Sources

Several potential sources of financial aid

1. UCF general aid and grants
2. Third-party opportunities
3. Paid internships
4. Other

Let’s go over these ...
Several sources of small amounts of money are available from UCF:

- Burnett Honors College – grants available to members of the BHC (~ $1,000)
- OIS – Small need-based grants are available from OIS (~$1,000)
- SGA – Provides small sums of $$ to cover some expenses (~ $300 to $500)
Housed in the Political Science Department
Seeks to facilitate the professional development of students for future work in intelligence and national security
Scholarships up to $3,000
Applicants must:
  • Have a 3.0 overall GPA or higher
  • Be a current degree-seeking undergraduate UCF student
  • show that they are engaging in course work that is relevant to a future career in intelligence or national security
  • Stay abroad for a minimum of 4 weeks
Third Party Organizations

Many organizations provide funds for study abroad

- The Gilman Foundation ([www.iie.org/gilman](http://www.iie.org/gilman))
- The Lincoln Scholarship Program ([Google it](https://www.google.com/search?q=lincoln+scholarship+program))
- The Fulbright Program ([www.fulbrightonline.org](http://www.fulbrightonline.org))
- The Whitaker Foundation ([www.whitakeraward.org](http://www.whitakeraward.org))
- National Security Education Program([www.iie.org/nsep](http://www.iie.org/nsep))
- [StudyAbroad.com](http://www.studyabroad.com)
Other Resources

• Study Abroad Scholarships
• Domestic Exchange and Study Abroad Programs
• International Financial Aid and College Scholarship Search
• International Scholarships
• Financial Aid for Study Abroad
• Study Abroad Loans
• SIT Study Abroad
• Study Abroad Scholarships and Financial Aid
Rich Uncle?
Interested? Then contact:

Ms. Brittany Kester  
407-823-2455  
ENG I 107  
Brittany.Kester@ucf.edu

Dr. Avelino Gonzalez  
407-823-5027  
HEC 329  
gonzalez@ucf.edu

And be sure to visit

www.cecs.ucf.edu/minors/internationalengineering/
http://www.cecs.ucf.edu/study-abroad
www.studyabroad.ucf.edu
Questions?
European Locations
University of Surrey
Guildford, Surrey, United Kingdom

- Very Competitive Program – only 4 students accepted each academic year
  - Need at least a 3.0 UCF GPA to apply
- About an hour from London
- Promotes interdisciplinary collaboration
- Courses offered in English
- Good for ALL CECS Majors
Dublin Institute of Technology
Dublin, Ireland

• Located in the heart of Dublin
• Enrolls over 1,000 International students each year
• Currently building new campus in center of the city
• Easy travel access to rest of Europe
• Courses offered in English
• Good for ALL CECS Majors
Located in Jönköping, about 200 miles southwest of Stockholm, 3 hours by train

Beautiful, medium-sized city at foot of Lake Vättern (2nd largest in Sweden)

Courses offered in English and Swedish

Good for ME, CpE, and CS Majors
Mälardalen University
Västerås, Sweden

• Medium-sized industrial city
• Easy access to Stockholm
  • 1 hour by train
• Courses offered in English and Swedish
• Good for EE, CpE, CS, and IT Majors
Universidad de Cantabria
Santander, Spain

• Small, high quality university
• Located in Santander, a beautiful seaside resort city on the northern coast
• Courses offered in English and Spanish
• Good for CE, ConE, EnvE, ME, and IE Majors
Universidad de Jaen
Jaen, Spain

- Excellent university
- Located in the “Paradise of the Interior” of Spain
- Near Granada, Spain
- Courses offered in English and Spanish

- Good for EE, CpE, CS, IT, and ME Majors
Université Joseph Fourier
Grenoble, France

• Located in the French Alps
• Numerous international students
• Programs in EE, CS, and CpE taught in English
Universités de Technologie De Compiègne
Compiègne, France

• University of 4500 students specializing in science and technology
• Courses offered in French with minimal English options
• 45 min. train ride from Paris
• Good for AE, ME, CpE, EE, IE, CS, and IT Majors
Technische Universität Ilmenau
Ilmenau, Germany

- One of the most prestigious technical universities in Germany
- Small city in the former East Germany
- Located in Thuringia - “The Green Heart of Germany”
- About 30 min. drive from Erfurt, a beautiful medieval city
- Courses offered in German Only
- Good for ME, AE, CS, IT, CpE, EE, and IE Majors
Universität Erfurt

Erfurt, Germany

• Beautiful medieval city dating back to 742 A.D.
• Nearly 5,000 students in different departments
• Internship Available at Siemens
• Capital of the state of Thuringia, located in the center of Germany (2 hrs from Berlin and Frankfurt, and 4 hrs from Munich)
  • Courses offered in German Only
  • Good for CE, ConE, EnvE, CS, CpE, and IT Majors
Westfälische Hochschule
Gelsenkirchen, Germany

- Mid-sized town in the industrial and cultural center of Germany – the Ruhr Region
- A variety of traditional and alternative cultural offerings
- Strong on future energy
- Cooperation with Siemens Power Generation: Internships available
- Courses offered in German Only
- Good for ME, AE, EE, CpE, IE, and CS Majors
Australian Locations
RMIT University
Melbourne, Victoria

- On the coast of the Bass Strait, only 1 hour flight to Tasmania
- A global university of technology and design
- Located in the 2nd most populous city in Australia
- Courses offered in English
- Good for ALL CECS Majors
Central and South American Locations
Pontificia Universidade Catolica do Rio Grande do Sul Porto Alegre, Brazil

- Also known as PUCRS
- Excellent Private University
- Courses offered in Portuguese Only
- Good for ALL CECS Majors
Universidad de Costa Rica
San Jose, Costa Rica

- General university with many majors
- Beautiful country with stunning sights
- Low cost of living
- Classes offered in Spanish Only
- Good for AE, ME, EE, CpE, CS, and IT Majors
Asian Locations
Tongji University
Shanghai, China

- Shanghai is China’s “Second City” and center of the economy
- Tongji University is one of two top universities in Engineering in China
- Courses offered in Chinese and English options for some majors
- Good for ALL CECS Majors
Saitama University
Saitama, Japan

- The city is located in the Greater Tokyo Area (suburb)
  - Only 30 min. away
- Courses offered in Japanese with minimal English options
  - Must pass Japanese fluency test before approval
- Need at least a 3.0 to apply
- Good for ALL CECS Majors
Hong Kong Polytechnic
Shung Hom, Hong Kong

- Hong Kong is densely populated with a focus on trade and business
- Ranked 8th in a list of the world’s top young universities
- Courses offered in English
- Good for AE, ME, EE, CpE, IE, CS, and IT Majors
Other Current Study Locations

• Singapore: Nanyang Technical University