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 common
  • Siemens and Westinghouse
  • Chrysler and Fiat
• International collaborations increasingly common
• Essential for US engineers and scientists to experience professional field from multinational perspective
Why Study Abroad?

• Personal Growth
  • Develop an appreciation and understanding of diverse cultures
  • Expand your circle of friends far beyond campus
  • Self reliance, new challenges

• Academic Enrichment
  • Fulfilling academic requirements
  • Providing an international perspective to your academic major
  • Increasing your awareness and sensitivity of global issues

• Career Development
  • Makes you highly marketable
  • Enhances your resume
  • Provides you with professional contacts overseas
  • Exposes you to new career options
  • Shows a willingness to take initiative despite risk
Eligibility

- UCF undergraduate in any Engineering major, Computer Science or Information Tech.
- 2.75 UCF GPA or strong recommendation from faculty. Some programs require a higher GPA.
- Junior or senior standing with at least one semester left before graduation.
  - Just prior to enrolling in Senior Design is the best time to go abroad.
International Engineering Minor

• Excellent vehicle to gain international perspective
• Completion of minor goes on transcript

  Total of 18-20 hours

  1. Six to eight credits of a foreign language, preferably at UCF (but possibly overseas)

  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 don’t want to go overseas?

- The IE minor requires an experience abroad
  - **No exceptions!!**
  - It is the central focus of program!!!
- Can be for:
  - 1 semester (minimum)
  - 2 semesters
  - Unfortunately, not summer in most (all) cases
- Credits earned overseas typically will apply to your degree
- Financial aid is available
  - On a competitive basis, however
Language Proficiency Policy

For Programs taught in a foreign language:

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

• Students not demonstrating advanced proficiency must spend 1 academic year abroad
  • First semester devoted to language study
  • Second semester in degree-related coursework
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
- Zurich Institute of Applied Science, Switzerland
- Dublin Institute of Technology, Dublin, Ireland
- University of Surrey, Surrey, UK
- Technische Universität Ilmenau, Ilmenau, Germany
- Fachhochschule Erfurt, Erfurt, Germany
- Westfälische Hochschule, Gelsenkirchen, Germany
Asia and Pacific

- Hong Kong Polytechnic Inst., Hong Kong, China
- RMIT University, Melbourne, Australia
- Saitama University, Japan
- Possible Future site: RMIT Vietnam
Central and South America

• Pontificia Universidad Catolica de Rio Grande do Sul, Porto Alegre, (PUCRS) Brazil
• Future programs in progress
Procedure

Making the arrangements for studying abroad is a five stage procedure:
1. Academic arrangements
2. Admin and Logistics
3. Cost, Finances, Scholarships, Resources
4. Experience abroad itself
5. Post-return activities
Academic Arrangements  How do I start?

1. Complete the study abroad interest form
   http://www.cecs.ucf.edu/study-abroad

2. Review course equivalencies
   https://www.cecs.ucf.edu/minors/internationalengineering/courses/

2. Make an appointment for advising with Maureen Waked
   mwaked@ucf.edu in CECS, 407 823-2455, ENG 1, room 107
   • Review audit
   • Select best university options
   • Create course plan before and while abroad
   • Discuss process
Administrative Arrangements

• Visit studyabroad website www.studyabroad.ucf.edu
  - Steps to Study Abroad
  - Study Abroad Policies
  - Search engineering programs,
  - Review budgets

• Complete the UCF study abroad application
• Apply to overseas partner institution

Logistics

• Apply for passport and visa
• Research living arrangements
• Learn about country of destination
• Buy airline ticket
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 only!
• 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: $200-$500
• Entertainment – can be high ($2K to $3K)
• Visit [studyabroad.ucf.edu](http://studyabroad.ucf.edu) search engineering programs. Then click on “budgets sheets”
• All inclusive study abroad cost range from $9,500 to $16,000
• Cost of attendance at UCF for one semester = approx. $10,000
Be realistic. Select a program you can afford!

Any and all your UCF scholarships, grants, and financial aid apply as if you were at UCF

Several potential sources of financial aid
1. UCF general aid
2. CECS Novo Family Scholarship
3. Third-party opportunities
4. Paid internships
5. Student loans
6. Rich uncle

Let’s go over these ...
Scholarships administered by UCF

- Burnett Honors College – grants available to students who are part of the BHC (~ $1,000)
- UCF Abroad – Small need-based grants are available from OIS (~$1,000)
- SGA – Provides small sums of $$ to cover some expenses (~ $300 to $500)
- IC CAE UCF National Security Scholarships (~$3,000)
Novo Family Scholarship for International Study

• New program
• Donation by one of our benefactors
• Scholarships to support study abroad will be awarded competitively for students going abroad in Fall 2017 and Spring 2018.
• Criteria will include mainly merit but need will also be considered.
• Students approved for study abroad will receive email notification when the application opens.
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](http://Google it))
- 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://StudyAbroad.com)
Rich Uncle?

Seriously, raise funds from
• Parents
• Grandparents
• Uncles/aunts
• Anyone who has money

Fastweb.com * Internationalscholarships.com
Tip: Create dedicated email address for scholarship applications
Experience Abroad

Pack your bags and go forth!

- Take ½ of what you think you need
- Do well in classes
- Write home often
- Enjoy!
Returning Home

• Grades received from abroad will be converted to A/B/C/D/F and recorded on your student record.
• File scholarship reinstatement appeal if required
• Share your experience!
Interested? Then contact:

Ms. Maureen Waked
407-823-2455
ENG I 107
Maureen.waked@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?
International Engineering Program

Take the leap!
Back Up Slides
Jönköping University - Sweden

- Located in Jönköping, about 400 km southwest of Stockholm, 5 hours by train
- Beautiful, medium-sized city at foot of Lake Vatertn (2nd largest in Sweden)
Mälardalen University - Sweden

- Medium-sized industrial city,
- Approx. 100 km west of Stockholm
- Easy access to Stockholm
  - 1 hour by train
Universidad de Cantabria - Santander, Spain

- Small, high quality university
- Located in Santander, a beautiful seaside resort city on the northern coast
Universidad de Jaen – Jaen, Spain

• Excellent university
• Located in the “Paradise of the Interior” (of Spain)
• Near Granada
Université Joseph Fourier - Grenoble, France

- Located in the French Alps
- Financial aid available
- Numerous international students
- Programs in EE, CS and CpE taught in English
Technical University of 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”
- Rolling hills and beautiful countryside
- About 30 min. drive from Erfurt, a beautiful, medieval city
Westfälische Hochschule - Germany

• Mid-sized town in the industrial and cultural center of Germany – the Ruhr Region, European Capital of Culture in 2010

• A variety of traditional and alternative cultural offerings

• Strong on future energy

• Cooperation with Siemens Power Generation: Internships possible
University of Applied Sciences – Erfurt

- Nearly 5,000 students in different faculties including: Applied Computer Science, Civil Engineering, Engineering in Building, and Energy Technology
- Study in FH-Erfurt and TU-Ilmenau - courses are partly in English
- Intern at Siemens or N3EOS
- Beautiful medieval city dating back to 742 A.D.
- Capital of the state of Thuringia, located in the centre of Germany (2h->Berlin, 2h->Frankfurt, 4h->Munich...)
- 210,000 inhabitants
Pontifícia Universidade Católica do Rio Grande do Sul - Porto Alegre, Brazil

- Excellent private university specializing in Aerospace Engineering
Brno University of Technology – Brno, Czech Republic

• Technical university in the Czech Republic
• Near Prague and Vienna
• EE, CpE, CS and ME majors
Universidad de Costa Rica - San Jose, Costa Rica

- General university with many majors
- Most engineering disciplines covered
- Beautiful country with stunningly beautiful sights
- Low cost of living
- Classes in Spanish
Instituto Tecnologico de Costa Rica – Cartago, Costa Rica

- Specializes in Engineering and CS
- Located in Cartago - the ancient capital of Costa Rica
- Low cost of living
- Classes in Spanish
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
• 55,000 Students (2437 International)
• 3300 Teaching & Research Faculty and Staff
• 1.16 Billion RMB Research Budget ($170 million)
Other Current Study Locations

- Hong Kong
  - HK Institute of Technology
- Singapore
  - Nanyang Technical University
Zurich University of Applied Sciences, ZHAW, Winterthur, Switzerland

- 15 minutes by train to Zurich
- Home to many Swiss and international companies
- University town
- Programs in MAE, CS, IT taught in English

Available Fall and Spring semesters
Foreign Language Training

What if I already speak the language of the country, 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

What if the country is not Anglophone but they teach courses in English?

• You will still need to take language training (6-8 credits) but proficiency need not be high
Foreign Language Training

What if I plan to take coursework in a language I do not yet speak (well)?

• It has been done successfully, but the situation becomes more complicated.

• Proficiency must be very high
  • You must take two years worth of language instruction here at UCF (if available)
  • You must stay abroad for two academic semesters.
    • The first semester is strictly for language training
    • The second semester is for taking engineering classes.
  • You may require an immersion program while abroad.
  • Your proficiency must be verified before taking the engineering courses.
Future Study Locations

- Italy
- Taiwan
- Japan
- South Korea
- India
- Chile
- Argentina
- Peru
- New Zealand
- Czech Republic
Question #2

• In what country is Jonkoping University?

a) Spain
b) United States
c) Sweden
d) Zimbabwe
e) Peru
Europe

- Jonkoping University, Jonkoping, Sweden
- Malardalen University, Vasteras, Sweden
- Universidad de Cantabria, Santander, Spain
- Universidad de Jaen, Jaen, Spain
- Technische Universität Ilmenau, Ilmenau, Germany
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
Spring 2017 Student Rafael Ontiveros

Berlin, Brussels, Copenhagen, Jaen, Munich, Paris, Seville, Sophia, Stockholm, Valencia
Question:

- Can I participate in the International Engineering program if the only language I speak is English?

A) Yes
B) No
C) Maybe
Question:

• Can I participate in the International Engineering Program with limited resources?

A) Yes
B) No
C) Maybe