Study Abroad and the Picker Engineering Program

October 25, 2018

Start Dreaming & Planning

- To find courses of interest:
  - Use the online resources from your school of interest
  - Use the Study Abroad office resources
  - Talk with other students
  - Check the listing of courses taken abroad, available at the Study Abroad office.

- Develop a list of courses to take abroad.
  - Make sure you will complete your EGR major.
  - No courses are guaranteed to be offered
  - No courses are guaranteed to be approved
  - *You must have contingency plans*
- Univ. of Auckland
- Univ. of Bristol
- Unvi. of Canterbury - NZL
- CIEE-Jordan
- DIS-Denmark
- Univ. of Edinburgh
- Univ. of Glasgow
- IEG: EWHA Summer Program
- IEG: Urban Study Tour
- St. Edmund’s Hall, Oxford
- St. Catherine’s, Oxford
- University College London
- Queen Mary University of London
- Smith in Florence
- Smith in Hamburg
- Smith in Paris
- King’s College London
- Univ. of Melbourne
- Technion School Engineering
- Univ. of Toronto
- University College Dublin
- Programa de Estudios Hispanicos en Cordoba (PRESHCO)
- Skidmore-Tufts in Madrid

Hamburg

- Technical University – thinking about technology, not really EGR courses
- Applied Sciences University – HAW Hamburg, has actual engineering courses
  - In German and English
  - In Hamburg with Tech U and Hamburg U.
  - GO HERE
    - (Gaea Ridenhour, Karen Komu, Ha Phuong Le)
**Most** EGR Students’ Deadline

- **Third Monday in February (2/18/19)**
  - Smith Study Abroad Credit Application due for study abroad on Smith Consortium and Smith-Approved study abroad programs during the following academic year (fall, spring or full-year).

- **First Monday in February:** Applications due for study on a Smith Program Abroad in Florence, Hamburg or Paris (full-year), and Geneva (full-year or fall only); and highly recommended for **spring in Hamburg** and Geneva.

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**Start at...**

**Lewis Global Studies Office**

- Peer advising at the Global Studies Office
  - Tues, Wed & Thurs 2:30 – 4:00
  - Monday info sessions 4:00 – 5:00, some Mondays

- https://www.smith.edu/about-smith/study-abroad

- https://www.smith.edu/about-smith/study-abroad/applying

- Determine when your forms are due to the Smith College Study Abroad office.

- It is your responsibility to make sure you know your own deadlines.
<table>
<thead>
<tr>
<th>Applicant's Name</th>
<th>Major(s)</th>
</tr>
</thead>
</table>

### Program

#### FIRST YEAR
- **Spring Semester 20**
  - In-residency at Smith?
  - Credits
  - Grade
  - Major
  - Outside

#### SECOND YEAR
- **Fall Semester 20**
  - In-residency at Smith?
  - Credits
  - Grade
  - Major
  - Outside

- **Spring Semester 20**
  - In-residency at Smith?
  - Credits
  - Grade
  - Major
  - Outside

**Students need 60 outside credits to complete their degree. Please indicate the total number of outside credits you have enrolled in this Plan of Study.**

Note: Handwritten forms will not be accepted.
FIRST Meet with your academic adviser

By signing below, I grant departmental approval for this study abroad plan, and confirm the following: (please check all that apply)

- I have read this plan of study and course descriptions.
- The student’s GPA meets the 3.0 eligibility requirement for study abroad approval.
- The student has included study of the native language. (Smith requires study of the native language whenever language courses are available, including pre-colonial languages in Africa and South Asia.)
- The student has not selected any courses for which Smith will not grant credit, such as business, journalism, etc.
- This plan allows this student to fulfill her major requirements.
- This plan allows this student to satisfy general degree requirements, including earning 64 credits outside of her major.
- I confirm this student will receive major credit for the following courses, as per her Plan of Study:

List your major courses here, online

Major Adviser Name ____________________________ Department ____________________________

(please print)

Major Adviser Signature ____________________________ Date ____________

SECOND Meet with me

By signing below, I grant departmental approval for this study abroad plan, and confirm the following: (please check all that apply)

- I have read this plan of study and course descriptions.
- The student has included study of the native language. (Smith requires study of the native language whenever language courses are available, including pre-colonial languages in Africa and South Asia.)
- The student has not selected any courses for which Smith will not grant credit, such as business, journalism, etc.
- This plan allows this student to fulfill her major requirements.
- This plan allows this student to satisfy general degree requirements, including earning 64 credits outside of her major.

Department Study Abroad Adviser Name ____________________________ Department ____________________________

(if same adviser as above, please sign twice)

(please print)

Department Study Abroad Adviser Signature ____________________________ Date ____________
Fill your Bags with Forms

- College application for study abroad – see the study abroad office and webpage.
- Online application

**Additional Picker Engineering forms:**

1) **BS or BA Plan of Study** – to make sure you will graduate (not to submit)

2) **Petition to Transfer Credit** – for each core course
   - The College has one for you also

3) **or, Non-standard Technical Elective Petition for each elective**
   - (“Core Course Substitution” form – DO NOT USE)
### Math & Science Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Year/Time Taken</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 210 Calculus III</td>
<td>(4 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MTH 211 Calculus IV</td>
<td>(4 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MTH / IDS 220 Probability &amp; Statistics</td>
<td>(5 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 111 Chemistry I</td>
<td>(5 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY 210 Mathematical Methods</td>
<td>(5 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY 171 Introductory Physics</td>
<td>(5 cr)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal Math & Science Credits: 36 cr.

**Notes:** If all courses are completed, the credits totalize 36 cr. (ABET requires 30 cr.)

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### Computer Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Year/Time Taken</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE 111 Programming (or other approved CS course)</td>
<td>(6 cr)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### Engineering Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Year/Time Taken</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGR 100 Engineering for Everyone</td>
<td>(4 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EGR 110 Fundamentals of Engineering</td>
<td>(4 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EGR 229 Engineering Circuit Theory</td>
<td>(5 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EGR 270 Engineering Mechanics</td>
<td>(5 cr)</td>
<td></td>
<td></td>
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<tr>
<td>EGR 290 Engineering Thermodynamics</td>
<td>(4 cr)</td>
<td></td>
<td></td>
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<tr>
<td>EGR 295 Fluid Mechanics</td>
<td>(5 cr)</td>
<td></td>
<td></td>
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<tr>
<td>EGR 410D Engineering Design and Professional Practice</td>
<td>(2 cr)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:** Engineering Technical Depth Courses.

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### Core Courses (MTH, SCI, CSC & EGR)

**DEPARTMENTAL SUPPLEMENT FOR PETITION TO TRANSFER CREDIT**

Use this form to request approval to substitute a course toward the requirements of the Engineering Program. A separate form must be used for each course. Attach a course description & syllabus from the other school along with any notations pertinent to the request. This signed form with syllabus should be attached to the transfer form from the class dean’s office, available at [http://www.smith.edu/academic/documents/transfer.credit.petition.pdf](http://www.smith.edu/academic/documents/transfer.credit.petition.pdf) and submitted to the Program Assistant in Smith Hall 105C. Students seeking approval of credit for summer study outside of the U.S. need to submit their request via Smith International Travel Experience System (MITYS) using this URL [https://saboturtle.smith.edu/xapcompile/soa/index.jsp](https://saboturtle.smith.edu/xapcompile/soa/index.jsp).

**Name:**

**Student ID:**

**E-mail Address:**

**Telephone:**

**Class:**

**Student Signature:**

**Date Submitted:**

**Name of School:**

**School Catalog Website / URL:** [www.truffles.edu](http://www.truffles.edu)

**Smith College Course being replaced:**

<table>
<thead>
<tr>
<th>Course Number &amp; Name</th>
<th>Credit Hours</th>
<th>Proposed Replacement Course</th>
<th>Academic Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM111</td>
<td></td>
<td></td>
<td>Academic Year: 20</td>
<td>Fall</td>
<td>Spring</td>
</tr>
<tr>
<td>CLT111</td>
<td></td>
<td></td>
<td>Academic Year: 20</td>
<td>Fall</td>
<td>Spring</td>
</tr>
</tbody>
</table>

**Course Number & Name**

<table>
<thead>
<tr>
<th>Course Number &amp; Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**As an instructor for the Smith course listed above, I acknowledge that I have reviewed the course description and syllabus and believe that the proposed replacement course is a reasonable substitute.**

**D. C. Cocoa**

**Faculty Member (the class to be replaced)**

**Faculty Member - Signature**

**Date**

**Comments:**
Fill in school and URL
Finding Technical Depth

- **Required Evidence** of each course being 300-level or above

1) A syllabus, now or bring one back
2) Prerequisites that we recognize as being 200-level, and/or
3) Statement from school abroad that the course is typically taken junior year or later

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Do Not Use for Study Abroad
Schedule

- **Start NOW** – gather information on schools and courses. Use the study abroad office resources.
- Make an appointment to meet with your **academic adviser** in November (spring advising)
- Meet with your academic adviser and with Prof. Cardell.
  - We need to meet before winter break.
- 2 weeks before your deadline, drop off your forms for the PEP assistant director’s signature
- 1 week before deadline – time to fix errors

Now – Research Schools

1. Visit Smith’s Office for International Study in the Global Studies Center, Wright Hall.
   - Fill out their ONLINE study abroad application
2. Select **one or two schools** that are of particular interest
3. Download **FORMS** from the EGR website
   - **https://www.smith.edu/engin/forms.php**
   - Number of forms = Number of courses you will take
     - We will approve only the number of courses you actually will take, **not extra back-up options**
November – Advising Meeting

- Review your plans with your academic adviser
- If evidence of a course’s level (e.g., 3rd year) and/or technical content are not available, you will not gain approval to take the course for EGR credit.
- Common courses to find abroad include
  - EGR technical electives,
  - Math courses,
  - Computer science,
  - Occasionally circuits or thermo (EGR 220 and 290)

Nov/Dec – Obtain Signatures

1. **Core courses** – (i) signature of a professor who teaches the core course or the math/sci department chair, (ii) your adviser and (iii) the study abroad adviser (Professor Cardell), in that order.

2. **Electives** – (i) the signature of your academic adviser and (ii) the study abroad adviser, in that order.

3. **Smith Study Abroad application** signatures of (i) your academic adviser and (ii) then the study abroad adviser

4. Drop off the entire packet to the EGR office for the signature of the EGR Assistant Director
When Changes Happen Abroad...

• Let your academic adviser know as soon as you know any new courses you are taking.

• For courses to count toward the EGR major, send us the required information, and obtain approval for your course as soon as possible.

• If you take a course and do not gain approval for transferring credit, you might not ever get that approval – it might not meet the PEP requirements

Upon Your Return

• You must bring home with you:
  • Each Course Syllabus
  • ‘Evidence’ for the work you completed toward ABET outcomes, what you learned
    • ‘Evidence’ = homework, lab, other graded assignments, exams...
Preliminary Moodle Submission

- You will be enrolled in the ‘Engineering Abroad’ moodle course by attending this seminar and signing up
- Initial submission of College application (2 pages) and EGR forms (1 page each) will be on the Moodle page
- For meetings with the EGR study abroad adviser and EGR assistant director, you must first have your forms submitted to Moodle
  - You must bring hard copies of your application with all supporting documentation to your meetings, for signatures.

Summary

- Information is posted on the EGR website.
- Use the study abroad office resources.
- Meet with your academic adviser early and often
- Returning students here and around to help out.
- Remember to bring graded work back to Smith

Questions?