GEARE CALLOUT

JANUARY 18, 2018

JOE TORT
Assistant Director, Global Professional Practice

OFFICE OF PROFESSIONAL PRACTICE
Potter Engineering Center, Room 114
Welcome

Special Remarks: Mung Chiang,
John A. Edwardson Dean of the College of Engineering

Purdue GEARE Program Overview

The Interculture Development Continuum

Program Breakdown

GEARE Locations and Opportunities

Student Spotlight

GEARE Ambassadors

Upcoming Events

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PURDUE GEARE PROGRAM

Overview

- Nation’s most comprehensive Global Engineering Training Program.
- Founded in 2003 with university and industry partners in Germany and China.
- 355 Program alumni working across the globe
- Participants earn a Minor in Global Engineering Studies.
- 350 current students
  Average GPA is 3.5

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THE GLOBAL ENGINEER IS...

- Technically Adept
- Broadly Knowledgeable
- Multilingual and Culturally Aware
- Innovative and Entrepreneurial
- Knowledgeable about World Markets
- Commercially Savvy
- Professionally Flexible and Mobile

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“THE STRUCTURE OF THE KNOWER”
The Intercultural Development Continuum (IDC)

Monocultural Mindset

Denial
Misses Difference
Judges Difference
De-emphasizes Difference
Deeply Comprehends Difference
Bridges Across Difference
Acceptance
Minimization
Polarization
Adaptation
Intercultural Mindset

Modified from the Developmental Model of Intercultural Sensitivity (DMIS), M. Bennett, 1986
Copyright, 1998-2013, Mitchell R. Hammer, Ph.D., IDI, LLC, used with permission
GLOBAL PROGRAMS

GEARE (Global Engineering Alliance for Research & Education)

- Minimum 3.0 GPA
- Enroll as a first year student or sophomore
- 5 mandatory sophomore meetings
- Domestic internship/research session
- International internship/research session
- Foreign language (12 credits)
- Cultural orientation seminars
- Study Abroad
- Global design team experience
- Poster presentation

Blocks indicate typical time ranges in which each component occurs. Individual components may not necessarily last for the entire duration of the time block shown. Actual schedules vary based on students’ individual circumstances.
## FINANCIAL IMPLICATIONS

**GEARE Is a Cost Neutral Program**

<table>
<thead>
<tr>
<th>Study abroad students may qualify for:</th>
</tr>
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<tbody>
<tr>
<td>One $2,000 grant</td>
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<tr>
<td>One $1,000 grant</td>
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<table>
<thead>
<tr>
<th>Internship</th>
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<tr>
<td>Pay only $400 registration fee during internship rotations</td>
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<tr>
<td>Receive varied compensation for domestic internship</td>
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<tr>
<td>International internship will generally cover only living expenses</td>
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<tr>
<td>OPP may award a Global Living Assistance Grant to help with costs</td>
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[OPP.PURDUE.EDU](http://OPP.PURDUE.EDU)
42% STUDYING SPANISH
38% STUDYING GERMAN
10% STUDYING FRENCH
4% STUDYING CHINESE
4% STUDYING JAPANESE
2% STUDYING ITALIAN
GEARE STUDENTS BY DISCIPLINE
2016-2017 Academic Year

*Other Disciplines:

- **MSE** 3%
- **AE** 2%
- **BE** 2%
- **NUCL** 0.9%
- **CEM** 0.3%
- **EEE** 0.3%
- **IDE** 0.3%

Other*: 34.5%
GEARE LOCATIONS

**China**
Shanghai Jiao Tong University
(ME, ECE, IE, BME)

**Hong Kong**
Hong Kong University of Science and Technology (CHE)
Germany
Karlsruhe Institute of Technology (ME, IE)
Ruhr University of Bochum (ECE)
Technical University of Braunschweig (AAE)
Otto von Guericke University of Magdeburg (BE, CHE)
Leibnitz University Hannover (ME)

Switzerland
ETH Zurich (BME, ECE)
**GEARE LOCATIONS**

- **Mexico**
  - ITESM (Queretaro campus) (BE, ME, IE)

- **Colombia**
  - EAFIT (CE, CHE, ECE, IE)
  - Universidad del Norte (ME, IE)

- **Spain**
  - Universidad Carlos III de Madrid (AAE, BME, ECE, ME)

- **Ecuador**
  - Universidad San Francisco de Quito (ABE, CE, CEM, EEE, IE, ME)
GEARE LOCATIONS

France
ESTACA (AAE, ME)
Grenoble Institute of Technology (NUCL)
Japan
Osaka University (ECE)
Waseda University (ECE)
GEARE LOCATIONS

Italy
Politecnico di Milano (IE)
SECONDARY PARTNERS
In English Speaking Destinations

- **Denmark**
  Technical University of Denmark (BME)

- **Ireland**
  National University of Ireland in Galway (BME)

- **New Zealand**
  University of Canterbury (CEM, EEE)

- **UK**
  University of Bristol (AAE, ME)
  Imperial College London (MSE)

- **Singapore**
  National University of Singapore (CHE, ECE, ME)
  Nanyang Technological University (CHE, ECE, ME)

- **Sweden**
  KTH Royal University of Technology (ECE, CHE, ME)
FINDING INTERNSHIPS
They Are Out There!

GEARE Employers

Companies Committed to providing both domestic and International Internship Opportunities

- American Axle & Manufacturing, Bendix, CEC Controls, Cummins, Daimler, Eaton, Faurecia, FCA, John Deere, Mercedes, McAfee, RA Jones, Rockwell Collins, Rhode & Schwarz, Rolls-Royce, Textron, Weiss NA, Whirlpool

Student Created Opportunities

Students may search out and find domestic and int’l opportunities with the same company

International Only Internships

OPP is developing individual internship opportunities in Germany, France, Spain, Mexico, Ecuador, Peru, India, China, Japan, Italy, Nicaragua, and other places

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JOHN DEERE
GEARE Germany Program

1ST SEM AUG-DEC
Regular FYE Semester at Purdue
GER 101
GEARE Selection

2ND SEM JAN-MAY
Regular FYE Semester at Purdue

1ST SUM MID-MAY-AUG
Experience German ENGR Study Abroad *
GER 102

3RD SEM AUG-DEC
Regular ENGR Semester at Purdue
GER 201

4TH SEM JAN-MAY
U.S. Internship with John Deere
GER 224

2ND SUM MID-MAY-AUG
Regular ENGR Semester at Purdue

5TH SEM AUG-DEC
GER 39799 GEARE Domestic Internship

1ST SPRING JAN-APR
Regular ENGR Semester at Purdue
GER 39899 GEARE Global Internship

6TH SEM APR-AUG
Germany Internship with John Deere

7TH SEM AUG-DEC
Study Abroad at KIT, LUH, or RUB
ENGR 497 Global Engineering Re-entry

8TH SEM JAN-MAY
Regular ENGR Semester at Purdue
Global Design Team Project

Graduation

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STUDENT SPOTLIGHT
Sam Albert

Major: AAE
Language: Spanish
Study Abroad: UC3M (Universidad Carlos III de Madrid) Madrid, Spain

Domestic Internship: Sandia National Laboratories Albuquerque, New Mexico
Global Internship: Research at TU Delft Delft, Netherlands
STUDENT SPOTLIGHT
Drew Rudman

Major: CHE
Language: German

Study Abroad:
University of Magdeburg
Magdeburg, Germany

Domestic Internship:
Cook Pharmica (Co-Op) | Bloomington, IN

Global Internship:
Max Planck Institute
Munich, Germany
STUDENT SPOTLIGHT
Daniel Gilmore

Major: CMPE
Language: Japanese & Spanish

Study Abroad:
UC3M
(Universidad Carlos III de Madrid)
Madrid, Spain

Global Internship #1:
Nakatani RIES Fellowship Program
Japan

Global Internship #2:
HP Inc.
Barcelona, Spain
What Have the GEARE Ambassadors Been Up To?

- Held Socials: Pancake Brunch, Tailgate BBQ
- Created a new Website that includes “Survival Guides” for future travelers
- Networking:
  - Skype Session with 2 distinguished GEARE Alumni from John Deere
- Resume Workshop
- GEARE Recruitment Event
## GEARE COORDINATORS
### For Your Information

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<tr>
<th>DISCIPLINE</th>
<th>FACULTY COOR.</th>
<th>ASST. COOR.</th>
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<th>ASST. COOR.</th>
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</thead>
<tbody>
<tr>
<td>AE, BE:</td>
<td>J. Lumkes</td>
<td>M. Okos</td>
<td>IDE:</td>
<td>P. Wankat</td>
<td>M. Kuryla</td>
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<tr>
<td>BME:</td>
<td>H. Lee</td>
<td>C. Linkel</td>
<td>IE:</td>
<td>P. Brunese, V. Duffy</td>
<td>J. King</td>
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<tr>
<td>CHE:</td>
<td>Z. Nagy</td>
<td>K. Raderstorf</td>
<td>MSE:</td>
<td>V. Cline</td>
<td>N. Vestal</td>
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<tr>
<td>CE:</td>
<td>M. Lah</td>
<td>B. Fulk</td>
<td>ME:</td>
<td>C. Krousgrill</td>
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<tr>
<td>CEM:</td>
<td>M. Hastak</td>
<td>C. Quillen</td>
<td>NUCL:</td>
<td>C. Choi</td>
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<tr>
<td>EE, CMPE:</td>
<td>J. Gray</td>
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ELIGABILITY & DEADLINES
Get the Links Now!

Visit GEARE on the Professional Practice Website

Paper Application to be turned in to the OPP office

Must have a 3.0 GPA and be able to obtain 12 credits of a foreign language prior to the international internship

Applications will be sent to GEARE coordinators within the student’s academic major. GEARE coordinators will evaluate application and possibly interview students before choosing the students to admit to the program.

First year students apply by February 28th
Second year students apply by September 29th
(Sophomores must have earned/tested out of at least 3 credits of a foreign language)

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WHAT CAN YOU DO NOW?
Jumpstart Your GEARE Experience

Start taking foreign language courses as soon as possible

Search for a summer internship for the summer after your freshman year

Participate in Office of Professional Practice Summer Programs
  • Experience German Engineering Maymester Program
  • Global Professional Practice in France

Participate in a Summer Study Abroad Programs like:
  • Stuttgart Summer University
  • Lima Internship & Study Abroad (Peru)
  • Introduction to Intercultural Teamwork in China
  • Other Language Oriented Summer Study Abroad Programs

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UPCOMING EVENTS
Don’t Miss Out!

Feb. 01, 2018
Deadline for Applications for Professional Practice Maymester Programs

Feb. 20, 2018
PPD Career Fair
10:00 AM - 3:00 PM
PMU North & South Ballrooms

Feb. 05, 2018
Textron Information Session (GEARE Employer)
6:00 - 7:00 PM
WALC 1121

Feb. 21-22, 2018
PPD Interviews
Wednesday
8:30 AM - 5:00 PM
PMU North & South Ballrooms

Apr. 09, 2018
TECH Talk from Eaton Corp. (GEARE Employer)
TBD

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