International Activity Report 2016-17

College of Engineering

- **23%**: Increase in global internship participation from the previous academic year
- **56%**: Increase in outgoing participation in exchange programs
- **87%**: Expanded number of events for international students focused on professional development
- **53%**: Percentage of undergraduates who have an international experience prior to graduation
“Consideration of cultural influences is now an automatic thought for me -- the perspective that I gained while studying and interning abroad has *dramatically shaped the way I approach problems, work with others to solve problems, and communicate the results to an audience*. Because of the IP, I feel confident communicating and negotiating in other cultures. My mindset is different - I more frequently consider a person’s cultural background and how I need to adjust to communicate successfully.”

**COE Participants Abroad**

<table>
<thead>
<tr>
<th>Internship Abroad</th>
<th>Non-GT Programs</th>
<th>Academic Projects</th>
<th>Exchange Programs</th>
<th>Faculty-Led Programs</th>
</tr>
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</table>

![Graph showing COE Participants Abroad from 2011-12 to 2016-17](chart.png)

“As an Environmental Engineering major, I study how to protect environments and people. In Australia, I learned of the concern and attention related to water preservation and protection of nature, such as the Great Barrier Reef. In Singapore, I learned about the sophisticated water system required to support the rapidly growing, diverse and populated city. By exposing myself to different environments and studying with local students and professors, I was able to learn more about water systems around the world.”

-Kanaha Shoji, Environmental Engineering, University of New South Wales Exchange and National University of Singapore Exchange
COE Participants Abroad by Region

**Latin America**
- Peru: 11
- Bolivia: 10
- Dominican Republic: 10
- Belize: 9

**Europe**
- France: 484
- Ireland: 117
- England: 94
- Spain: 57

**Africa**
- Senegal: 5
- South Africa: 2
- Uganda: 1
- Ghana: 1

**Asia**
- China: 81
- Singapore: 36
- Japan: 27
- South Korea: 23

**Oceania**
- Australia/New Zealand/Fiji: 38

2016-2017
- 1,284 studied or interned abroad
- 75 total countries
- 12 exchange programs
- 19 faculty-led programs

“Going abroad to Seoul, South Korea on exchange at Yonsei University gave me opportunity to study with people from around the world and learn about countries I’d never experienced. My experience on exchange in Seoul, South Korea at Yonsei University was a semester-long adventure that gave me many chances to grow by problem-solving through many new and foreign situations.”

-Katriella Lumbantobing,
Mechanical Engineering,
Yonsei University Exchange
### COE Participants Abroad by Major & Gender

<table>
<thead>
<tr>
<th>Major</th>
<th>Number</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Eng</td>
<td>118</td>
<td>25%</td>
<td>75%</td>
</tr>
<tr>
<td>Biomedical Eng</td>
<td>192</td>
<td>65%</td>
<td>35%</td>
</tr>
<tr>
<td>Chemical &amp; Biomolecular Eng</td>
<td>112</td>
<td>53%</td>
<td>47%</td>
</tr>
<tr>
<td>Civil Eng</td>
<td>103</td>
<td>62%</td>
<td>38%</td>
</tr>
<tr>
<td>Computer Eng</td>
<td>53</td>
<td>13%</td>
<td>87%</td>
</tr>
<tr>
<td>Electrical Eng</td>
<td>106</td>
<td>30%</td>
<td>70%</td>
</tr>
<tr>
<td>Environmental Eng</td>
<td>32</td>
<td>72%</td>
<td>28%</td>
</tr>
<tr>
<td>Industrial Eng</td>
<td>227</td>
<td>55%</td>
<td>45%</td>
</tr>
<tr>
<td>Material Science &amp; Eng</td>
<td>41</td>
<td>41%</td>
<td>59%</td>
</tr>
<tr>
<td>Mechanical Eng</td>
<td>290</td>
<td>27%</td>
<td>73%</td>
</tr>
<tr>
<td>Nuclear &amp; Radiological Eng</td>
<td>4</td>
<td>25%</td>
<td>75%</td>
</tr>
<tr>
<td>Operations Research</td>
<td>2</td>
<td>0%</td>
<td>100%</td>
</tr>
<tr>
<td>Supply Chain Eng</td>
<td>4</td>
<td>0%</td>
<td>100%</td>
</tr>
<tr>
<td><strong>COE Total</strong></td>
<td>1,284</td>
<td>44%</td>
<td>56%</td>
</tr>
</tbody>
</table>

### COE Participants Abroad by Year

- **Freshman**: 129
- **Sophomore**: 520
- **Junior**: 387
- **Senior**: 199
- **Master’s**: 35
- **Doctorate**: 14

### COE Participants Abroad by Length

- **SHORT (< 8 wks)**: 16%
- **MID (9-15 wks)**: 63%
- **LONG (> 16 wks)**: 21%

### COE Participants Abroad by Race

- **White, 784**
- **Asian, 300**
- **Black, 54**
- **Two or more, 56**
- **Unknown, 90**
International Students & Scholars

Citizenship (F & J Visa Holders)

top five countries - 102 total countries represented

Students by Major *majors with over 10 students

- Electrical and Computer Engineering: 763
- Mechanical Engineering: 463
- Aerospace Engineering: 304
- Industrial Engineering: 303
- Civil Engineering: 248
- Computational Science and Engineering: 154
- Chemical Engineering: 104
- Biomedical Engineering: 102
- Chemical and Biomolecular Engineering: 102
- Materials Science and Engineering: 96
- Operations Research: 74
- Environmental Engineering: 67
- Computer Engineering: 65
- Supply Chain Engineering: 42
- Robotics: 28
- Bioengineering: 17

Students by Level *excluding non-degree

- Bachelor's: 2,782
- Master's: 2,928
- Doctoral: 2,980

College of Engineering - www.oie.gatech.edu
Excellence in advising remains high priority

• The 2016-2017 academic year included heightened visa and immigration vetting and enforcement, government processing delays, and three Executive Orders impacting visas and travel. International Student and Scholar Advisors prioritize staying informed about the changing policies to provide accurate and timely guidance to students about a range of immigration and visa issues.

• Most frequent advising topics: employment benefits, travel preparations, academic and immigration documentation changes.

• 7,905 advising walk-in sessions and appointments provided by eight International Student and Scholar Advisors. 90% of advising survey respondents rated services as ‘highest satisfaction’ for advisor knowledge and respect.

• “The advisor was very kind and understanding of my concerns and answered all of my questions clearly and concisely, exactly what I was hoping for.”
Top Locations for GT Experiences Abroad
- France
- China
- England
- Spain
- Ireland

Participants Abroad by Type
- Faculty-led: 1,473
- Interns: 188
- Academic Projects: 281
- Exchanges: 254
- Non-GT programs: 19

Top Nationalities of GT International Students
- China
- India
- South Korea
- Taiwan
- Iran

4,751 enrolled F & J students - from 122 countries
1,346 F-1 students on OPT
955 J-1 scholars and interns - from 58 countries

2,215 participants abroad - to over 70 countries
4.93% increase in participation overall
253 International Plan graduates to date

International Students as a percentage of enrollment

GT-Wide
- www.oie.gatech.edu