

BUILDING STUDY ABROAD INTO THE CURRICULUM AT GEORGIA TECH



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GEORGIA INSTITUTE OF TECHNOLOGY

OFFICE OF INTERNATIONAL EDUCATION

GEORGIA TECH AT A GLANCE

The Georgia Institute of Technology is a public research university in Atlanta, Georgia in the United States

Nearly 1,000 full-time instructional faculty and more than 21,000 undergraduate and graduate students




GEORGIA TECH AT A GLANCE



According to U.S. News & World Report Georgia Tech is:

- **No. 7 public university in the country**
- **No. 5 graduate engineering college**
- **No. 5 undergraduate engineering college**
- **No. 1 industrial engineering program**
- **8 undergraduate engineering programs ranked in the top 5**
- **11 graduate engineering programs ranked in the top 10**
- **"Programs to Look For" Listing: Internships and Co-ops, Senior Capstone**

AN UPWARD TREND



Study Abroad saw an annual participation growth of 8.95% in 2012-13

47%* of GT Undergrads will Study Abroad before graduation

*Based on 2012 Degrees Conferred by College

TOP INTERNATIONAL LOCATIONS

GT Students studied abroad in over 40 countries during 2012-13

The most popular destinations include:

- **China**
- **France**
- **England**
- **Spain**



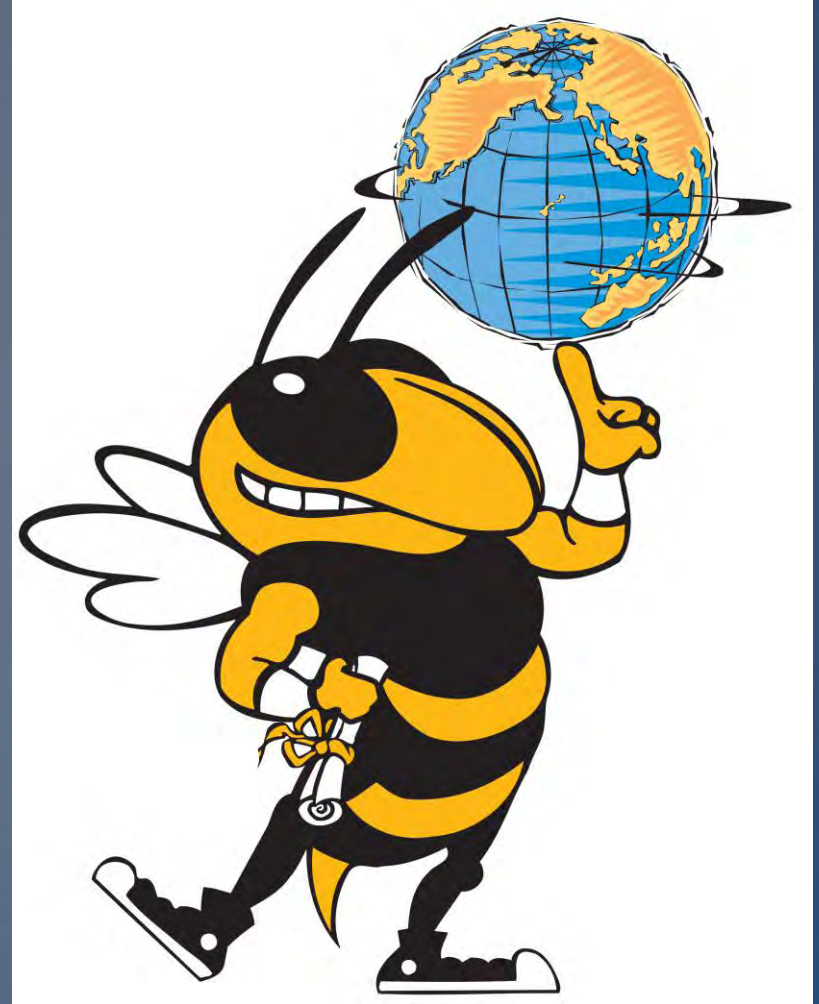
BUILDING A SOLID FOUNDATION

International Plan

Study abroad programs:

- Beijing/Singapore summer faculty-led program
- Oxford summer faculty-led program
- Copenhagen exchange program

Other initiatives



Why do students choose the International Plan?

All of these below...plus some!!!



What is the International Plan (IP)?

The International Plan is a four-year undergraduate academic program aimed at developing the global competence of students within the context their majors.



The IP is part of a student's degree and they receive formal recognition on both their degree and their transcript.





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Foreign Language Requirement

Globally-Focused Coursework

International Experience (26 weeks or more)



Coherence

+



Senior Capstone

=

**International
Plan!**

INTERNATIONAL PLAN

*Open to
international and
domestic students*

**No GPA
requirement for
first-semester
freshmen**

*Online application
process*

**Have 2.7 GPA and
maintain throughout
program**



**Currently integrated into 26 of
GT's majors**

- *Aerospace Engineering
- *Applied Languages and Intercultural Studies
- *Architecture
- *Biochemistry
- *Biology
- *Biomedical Engineering
- *Business Administration
- *Chemistry
- *Civil Engineering
- *Computation Media
- *Computer Science
- *Earth and Atmospheric Sciences
- *Economics
- *Global Economics and Modern Languages
- *History, Technology and Society
- *Industrial Design
- *Industrial and Systems Engineering
- *International Affairs
- *International Affairs and Modern Languages
- *Mechanical Engineering
- *Psychology
- *Science, Technology and Culture

**26 out of GT's 32 majors = 86% of our
student population!**

Fast Facts

**STEM students account for 72% of
those in the IP. Engineering alone
accounts for 56%.**

Bachelor of Science in Electrical Engineering with “International Plan” designator

Example 8-Semester Schedule (Junior Year at Georgia Tech Lorraine)

Freshman Year

3-2-4	MATH 1501	Calculus I	3-2-4	MATH 1502	Calculus II
3-3-4	CHEM 1310	General Chemistry	3-3-4	PHYS 2211	Introductory Physics I
2-3-3	CS 1371	Computing for Engrs	2-3-3	CS 1322	Object-Oriented Progr
3-0-3	ENGL 1101	English Composition I	3-0-3	ENGL 1102	English Composition II
<u>2-0-2</u>	HPS 10xx	Wellness elective	<u>H 3-0-3</u>	FREN 2001	French Culture I
13-8-16			14-8-17		

Sophomore Year

3-3-4	ECE 2025	Intro Signal Processing	1-3-2	ECE 2031	Digital Design Lab
3-0-3	ECE 2030	Intro Computer Engr	3-0-3	ECE 2040	Circuit Analysis
3-2-4	MATH 2401	Calculus III	3-2-4	MATH 2403	Differential Equations
3-3-4	PHYS 2212	Introductory Physics II	S 3-0-3	History/Government	
<u>H 3-0-3</u>	FREN 2002	French Culture II	<u>S 3-0-3</u>	Global Econ or International Relations	
15-8-18			<u>3-0-3</u>	Science elective	
			16-5-18		

Junior Year (Georgia Tech Lorraine; some courses taken at Supelec)

3-0-3	ECE 3025	Electromagnetics	1-3-2	ECE 3041	Instrument & Circuits Lab
4-0-4	ECE 3040	Microelectronic Circuits	3-0-3	EE Breadth elective	
3-0-3	Engineering elective (thermodynamics)		3-0-3	EE Breadth elective	
S 3-0-3	Global Econ or International Relations		3-0-3	Engineering elective (probability/stat)	
<u>A 3-0-3</u>	Approved Elective		2-0-2	Engineering elective (COE 2001)	
16-0-16			<u>S 3-0-3</u>	Area-focused Int'l Plan course	
			15-3-16		

Senior Year

1-3-2	ECE 3042	Microelectronic Ckts Lab	1-6-3	ECE 4006	Major Design Project
3-0-3	EE Breadth elective		3-3-4	ECE elective	
2-3-3	ECE 4000	Project Engr & Prof Pract	3-0-3	ECE elective	
3-3-4	ECE elective		A 3-0-3	Culminating Int'l Plan course	
<u>A 3-0-3</u>	Approved Elective		<u>H 3-0-3</u>	Humanities elective (ethics)	
12-9-15			13-9-16		

Total Hours: 132

Humanities:	9 hours (3 applied to approved electives)
Social Sci:	12 hours
Appr Elec:	12 hours (including 3 excess humanities hours)

NOTES: Actual elective credit hours may differ from those shown in this example.

Assumes prior credit for freshman language courses. Flexibility in course selection and scheduling depends heavily on AP credit and/or prior language experience.

STUDY ABROAD PROGRAMS: BEIJING/SINGAPORE

Designed by the School of
of Industrial and Systems
Engineering and OIE

Joint collaboration between
Georgia Tech, National
University of Singapore,
Tsinghua University and Beijing
Jiaotong University



STUDY ABROAD PROGRAMS: OXFORD SUMMER

**11 Week Abroad + 8 Cities + 12 Credit Hours + 149 New Friends
= The Summer of a Lifetime!**



Oxford In-Residence:

- ~16 courses offered in summer 2014
- ~Fulfill credits in technical electives (ENG, CS and SCI), Global Perspectives, Ethics, and Humanities among others
- ~Taught by Georgia Tech faculty members

Experiential Learning at its best!

~2 required courses from Music and College of Architecture

~Fulfill Humanities and Free Elective credit

STUDY ABROAD PROGRAMS: COPENHAGEN EXCHANGE

**Semester or Academic Year
option at IT University of
Copenhagen**

**Courses are set by ITU and
faculty member at Georgia
Tech**

**Senior capstone for
Computational Media majors**



KATERYNA NEGODY/FLICKR RF/GETTY IMAGES

OTHER INITIATIVES



- ✓ Preferred Program Initiative
- ✓ Major Flyers
- ✓ Involvement in Major Fair
- ✓ Involvement in Orientation



International Plan

Website: <http://www.internationalplan.gatech.edu/>

Email: internationalplan@oie.gatech.edu

Study Abroad at Georgia Tech

Website: www.oie.gatech.edu

Beijing/Singapore program: <http://www.beijing-singapore.gatech.edu/>

Oxford program: <http://www.oxford.gatech.edu/>