



# 2019 – 2020 REPORT OF INTERNATIONAL ACTIVITY

UNIVERSITY OF FLORIDA INTERNATIONAL CENTER  
OFFICE FOR GLOBAL RESEARCH ENGAGEMENT

*Supporting Faculty to Build Knowledge Globally*

**UF** | International Center  
UNIVERSITY of FLORIDA

**HERBERT WERTHEIM COLLEGE OF ENGINEERING**



# University of Florida International Center

The **OFFICE FOR GLOBAL RESEARCH ENGAGEMENT (OGRE)** facilitates international research to increase UF's global presence. OGRE supports faculty to advance international research.

In pursuit of international research excellence, our role is to:

- **INTRODUCE** faculty new to international research to active university networks and experienced mentors.
- **CONNECT** faculty, students, and staff with those who share research interests and are interested in working in similar countries or regions.
- **FOSTER** research networks for internationally focused communities of practice.
- **EXPAND** UF's knowledge and capacity in working in international venues.
- **ASSIST** faculty, students, and staff in identifying sponsored research opportunities and programs.
- **FACILITATE** the process of navigating the UF administrative process for conducting international research.
- **SUPPORT** Fulbright visiting scholars at UF, and UF scholars traveling abroad.

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SUPPORTING FACULTY TO BUILD KNOWLEDGE GLOBALLY.



2019/2020

# Herbert Wertheim College of Engineering

Report on International Activity

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# 1. Introduction

This past year, the university, our community and the world experienced a disruption that has both underscored the extraordinary interconnectedness of the world in which we live and has also brought most global engagement, as we knew it to a screeching halt. Even as we are reminded on a daily basis that events, policies, and actions in one part of the world have repercussions around the globe, our international collaborations and exchange are now more difficult than ever. At UF, we are fortunate to have access to resources that allow us to advance new ideas, models and frameworks in an environment that values the contributions of our international students and colleagues, and in the perspectives that our study abroad students both share with their hosts and bring back to our community. As we face the challenge of internationalization at American universities, the UF International Center is proud to be a leader in fostering international understanding, and in developing the network of students and scholars in our home and around the world.

This report documents international activity at the University of Florida. The 2019/2020 update presents the global footprint for the Herbert Wertheim College of Engineering for the academic year. Similar to past reports, the data summarize a considerable volume of international activity, and continues to be testimony to the university's and the college's commitment to international research, education, and international exchange.

The report documents the college's international partnerships, the investment into faculty development programs, the number of international visitors working and studying at UF, the number of international students, the extent of applications for graduate programs from students worldwide, the college study abroad programs, efforts dedicated to internationalizing the curricula, and a summary of where Engineering faculty, students and staff are travelling. These activities contribute to a fundamental university goal to prepare our students to navigate the increasingly complex challenges of a globalized world.

## in numero

### Herbert Wertheim College of Engineering

- 42 total international MOUs in 19 countries.
- 11 active or under review IRB studies.
- 200 International Visiting Scholars.
- 5,672 international applications from 108 countries.
- 1,852 international students enrolled in Fall 2019.
- 70 engineering students studied abroad.
- One engineering doctoral student received a travel stipend through the Research Abroad for Doctoral (RAD) students program.
- 36300 undergraduates enrolled in the International Scholars Program.
- Faculty, students, and staff made 263 trips to 53 countries.

The University of Florida International Center is honored to serve and support the university community's global engagements. Our programs bridge the international community to the gator community whether it is here on UF's campus or at destinations around the world.

The data represent a snapshot of international activity captured in August 2020. For many categories, the numbers fluctuate; for example, the number of formal agreements with foreign institutions changes daily as new partnerships are introduced and others are expired. For some data, such as for international graduate applications and the number of international students, the report captures fall semester numbers to avoid double counting and redundancies.

The intent of this report is to showcase and highlight the extent and reach of UF's and the college's international activity in one inclusive report. As a top ranked, public university, E faculty engage in research and international collaborative activity that is, by its sheer number, a challenge to document. For this reason, this report cannot be comprehensive of all international activity; however, it provides a benchmark from which we can begin to measure our global reach. Indeed, every indication suggests the Gator Nation extends substantially to the wider global community.



## 2. International Memoranda of Understanding (MOU)

The University of Florida connects to the world’s best international universities and institutions through formal partnership international Memoranda of Understanding (MOUs). These agreements facilitate research among faculty; enable faculty and student exchanges; protect intellectual property; and serve as a basis for ensuring ethical best practice. The relationships that may flourish as a result of these agreements is an important aspect of our internationalization efforts.

**in numero**

Herbert Wertheim College of Engineering

- 42 total International MOUs.
- 32 Cooperative MOUs (76%).
- 9 Reciprocal MOUs (22%).
- One Combined or Dual Degree MOU.
- Engineering has formal MOUs with institutions in 19 countries; the majority are with institutions in Europe.

The MOU database is dynamic. On a regular basis, the International Center enters into new agreements, updates existing partnerships, and terminates those that are expired or no longer relevant. The data tabulated in this report represents the UF Agreements for the 2019/2020 academic year.

The International Center manages 389 international MOUs. The majority fall under two broad categories of Agreements – Cooperative and Reciprocal. At UF, most MOUs are Cooperative (73.3%). The Cooperative MOUs or Agreements are as diverse as the needs of our faculty. These collaborative partnerships provide a framework to pursue collaborative activity and do not represent a legal relationship. Often they start as a one-to-one collaboration with a UF partner and over the length of the agreement result in meaningful scholarly partnerships. Almost one quarter of all International MOUs are Reciprocal Agreements, which are a true exchange program MOUs where students from each institution spend time at the host institution as a non-degree, seeking student. There are International MOUs to cover combined and dual degree programs, transfer programs from other institutions, or special agreements among universities to accommodate unique circumstances for student exchanges which are all listed

under the “Other” category.

Figure 2-1: International MOUs Managed by the Herbert Wertheim College of Engineering



Of all UF International MOUs, 11% or 42 MOUs are affiliated with the Herbert Wertheim College of Engineering. The majority (76%) are Cooperative MOUs and 21% are Reciprocal (Figure 2-1).

## Agreements by College

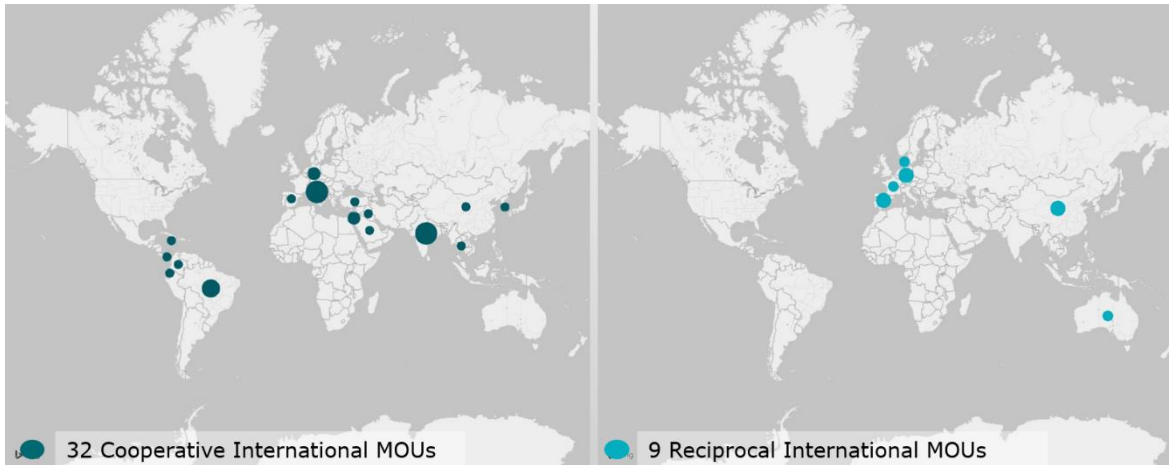
Of all units at UF, the Institute of Agricultural and Life Sciences (IFAS) has the greatest number of active international MOUs. IFAS has the most Cooperative Agreements of all units. Of all Reciprocal Agreements, the Warrington College of Business has established the greatest number of international MOUs. The Herbert Wertheim College of Engineering has 11% of all Cooperative MOUs and 10% of all Reciprocal MOUs on campus (Table 2-1).

Table 2-1: Number of Agreements by College/Unit

College/Unit	UFIC Administered MOUs			Total	
	Cooperative	Reciprocal	Other	Number	Percent
Area Study Centers	30	-	-	30	7.7
Arts	3	-	-	3	0.8
Business, Warrington College	4	36	1	41	10.5
Design, Construction and Planning	15	4	-	19	4.9
Education	5	-	1	6	1.5
Emerging Pathogens Institute	5	-	-	5	1.3
Engineering, Herbert Wertheim College	32	9	1	42	10.8
Florida Museum of Natural History	1	-	-	1	0.3
Health and Human Performance	14	3	-	17	4.4
Institute of Food and Agricultural Sciences	92	4	4	100	25.7
Journalism and Communications	1	1	-	2	0.5
Law, Fredric G. Levin College	4	1	-	5	1.3
Liberal Arts and Sciences	30	31	2	63	16.2
Medicine	15	-	-	15	3.9
Nursing	1	-	-	1	0.3
Pharmacy	9	1	1	11	2.8
Public Health and Health Professions	6	1	-	7	1.8
University Wide (International Center, Office of Research, Graduate School)	15	3	-	18	4.6
Veterinary Medicine	3	-	-	3	0.8
TOTAL	285	94	10	389	100%

International MOUs for the College represent collaborative activity in 19 countries. Almost half are with Italy, India, Brazil and Germany. Cooperative MOUs are with 16 countries and half are in India, Italy and Brazil. The nine Reciprocal MOUs are in 6 countries – China, Germany, Spain, Australia, Denmark and France (Figure 2-2).

Figure 2-2: Location of Engineering International Agreements by Type



The geographic diversity is generally a reflection of the size of the unit. IFAS has the largest global footprint with 100 active international MOUs in 41 countries. Engineering is relatively widespread with almost a two for one ratio of MOUs/country (Table 2-2). The list of College International MOUs is included in the Appendix of this report.

Table 2-2: Geographic Diversity of Agreements by College and Unit

College/Unit	Number of MOUs	Number of Countries
Area Study Centers	30	13
Arts	3	3
Business, Warrington College	41	23
Design, Construction and Planning	19	11
Education	6	2
Emerging Pathogens Institute	5	5
Engineering, Herbert Wertheim College	42	19
Florida Museum of Natural History	1	1
Health and Human Performance	17	7
Institute of Food and Agricultural Sciences	100	41
Journalism and Communications	2	2
Law, Fredric G. Levin College	5	3
Liberal Arts and Sciences	63	30
Medicine	15	10
Nursing	1	1
Pharmacy	11	11
Public Health and Health Professions	7	6
University Wide (International Center, Office of Research, Graduate School)	18	13
Veterinary Medicine	3	3
TOTAL	389	MOUs in 82 Countries



# 3. UF's Global Research Footprint

## Institutional Review Boards (IRB): An Indicator of Global Research Capacity

Documenting the international research conducted by faculty, staff and student at UF is monumental. There is no consistency in labeling research as international unless it physically conducted outside of the US. One indicator of our research footprint can be the applications to UF's Institutional Review Boards (IRB) oversight of human subjects research.

**in numero**

**Herbert Wertheim College of Engineering**

- Eleven active or under review IRB studies.
- Research active in ten countries.

The IRB is charged with protecting the rights and welfare of participants in clinical trials and other human subjects research studies. UF IRB offices reviews and approves all research involving human subjects to ensure the welfare and rights of research participants are protected as mandated by federal and state laws, local policies, and ethical principles. As such, UF faculty, staff, and students must provide the IRB with a detailed plan of how their research will ensure the safety and welfare of any people who participate in their research project. When the research is conducted outside of the U.S., faculty, staff, and students are required to submit their research protocol that is compliant with the regulations in the U.S. and in the country where the research will take place.

The database that stores the applications for IRB approvals can serve as one indicator of the extent of international research at UF. It is not a comprehensive list and does not include research activities that do not involve people directly in the research methodology. It would not include studies that collect physical data. It would not include collaborative research among colleagues. It would include faculty collecting archival data. And, it would not include exploratory studies that are intended to train students. However, these data can partially highlight the scope of UF's global reach.

## Active and Pending IRB Studies

Currently at UF, there are 673 active IRB studies including those under review. The Herbert Wertheim College of Engineering has 11 or 1.6% of all UF international IRB studies that are either active or under review. For the college this number does not represent the majority of international research since human subjects protocol is not integral to the majority of engineering research (Table 3-1).

Table 3-1: Number and Percent of IRB Protocols

College/Unit	Number	Percent
Arts	18	2.7
Business, Warrington College	30	4.5
Center for Latin American Studies	21	3.1
Design, Construction and Planning	24	3.6
Education	30	4.5
Emerging Pathogens Institute	10	1.5
Engineering, Herbert Wertheim College	11	1.6
Florida Museum of Natural History	1	0.1
Health and Human Performance	34	5.1
Institute of Food and Agricultural Sciences	95	14.1
Journalism and Communications	35	5.2
Libraries, George A. Smathers	2	0.3
Liberal Arts and Sciences	175	26.0
Medicine	96	14.3
Nursing	5	0.7
Pharmacy	16	2.4
Public Health and Health Professions	43	6.4
University Wide (International Center, Office of Research, Graduate School, Other)	15	2.2
Veterinary Medicine	12	1.8
TOTAL	673	100%

## Number of Protocols by Country

Table 3-2: IRB Protocols: Number of Active and Under Review

Location of Study Protocol	Number
Brazil	2
Vietnam	2
Worldwide and Not Reported	2
Australia	1
Canada	1
Colombia	1
India	1
Italy	1
Mexico	1
New Zealand	1
Norway	1
TOTAL	14

The 10 IRB studies are spread across 10 countries and worldwide. The majority are in Latin America and the Caribbean (Figure 3-1) and one has a blanket “worldwide” designation. There are more study locations listed than there are studies because, often, one study works in multiple countries.

## 4. International Visiting Scholars

International visiting scholars are vital in supporting the global mission of the University of Florida. International Visitors promote cultural exchange, enrich international research, and connect UF to leading universities in the world. This year, UF's visiting scholars faced the additional challenge from the COVID-19 pandemic, international travel restrictions, and limited access to U.S. Embassies and Consulates for visa processing. Some of our visiting scholars had to return to their home country earlier than planned, while others were not able to travel and have a physical presence on campus. The impact of the pandemic will continue to make a difference in our numbers of visitors throughout our next academic year. The number of scholars at UF for the 2019/2020 academic year were not down substantially UF hosted 1,443 International Scholars, which is 90 less than last year. The effects of travel restrictions and embassy closures will be felt on the number of visiting scholars at UF beginning Fall 2020. The Institute of Food and Agricultural Sciences hosted 572 international scholars in the 2019/2020 academic year that is only 20 fewer than reported last year.

### in numero

#### Herbert Wertheim College of Engineering

- 200 international visiting scholars hosted by the college.
- 14% of all international visiting scholars at UF.
- The college hosts visiting scholars from 23 countries.
- The majority (60%) are research scholars primarily working on research projects with engineering faculty.

Visiting scholars fit into one of four categories (Table 4-1):

1. Professor – Teaching is the primary function; more than 50% of their time devoted to teaching. Maximum duration is five years. Usually a small percentage of all visiting scholars come in this role. For this academic year, less than one percent of visiting scholars are in this category.
2. Research Scholar – Research is the primary function; more than 50% of their time devoted to research. Maximum duration is five years. For Engineering, sixty percent of their visiting scholars fit into this category.
3. Short Term Scholar – Program allows research and teaching. Maximum duration of six-months (14.5% are in this category).
4. Student Intern – International students completing an internship which fulfills an educational objective towards the completion of the student's degree from their home institution. They must engage in a minimum of 32 hours per week of structured internship activities and may take part-time UF courses. The maximum duration of their program is 12 months. In the college, during this academic year, one quarter of all visiting scholars are Student Interns.



Table 4-1: International Scholars Hosted by Herbert Wertheim College of Engineering

Category of Visiting Scholar	Number	Percent of Total
Research Scholar	120	60.0
Short-Term Scholar	29	14.5
Student Intern	51	25.5
TOTAL	200	100%

## International Visiting Scholars by College

The highest percentage of international visiting scholars are hosted by IFAS attracting almost 40 percent of all scholars. Engineering, Medicine and Liberal Arts and Sciences host between 10 and 15 percent of international scholars.

Table 4-2: International Visiting Scholars by College

College	Professor	Research Scholar	Short-Term Scholar	Student Intern	Percent of UF Total
Arts	1	3	1	-	0.3
Business, Warrington College	1	17	15	1	2.4
Center for Latin American Studies	-	1	2	-	0.2
Dentistry	-	21	3	-	1.7
Design, Construction and Planning	-	13	8	-	1.5
Education	-	43	3	-	3.2
Engineering, Herbert Wertheim College	-	120	29	51	13.9
Florida Museum of Natural History	-	11	3	-	1.0
Health and Human Performance	-	12	2	-	1.0
Institute of Food and Agricultural Sciences	1	424	105	42	39.6
Journalism and Communications	-	6	-	-	0.4
Law, Levin College	-	5	2	-	0.5
Liberal Arts and Sciences	6	112	21	3	9.8
Medicine	-	165	18	-	12.7
Nursing	-	1	-	-	0.1
Other	-	15	1	1	1.2
Pharmacy	-	61	16	5	5.7
Public Health and Health Professions	-	17	2	-	1.3
Veterinary Medicine	-	39	13	1	3.7
TOTAL	9	1,086	244	104	100%

# Country of Citizenship of International Visiting Scholars

International Visiting Scholars in the college represent 23 countries. More than half of all international visitors are from China and 11% from South Korea (Figure 4 -1).

The majority are Research Scholars (120) from 17 countries. Similar to overall trends in the college,

the majority (52%) are from China and 14% are from South Korea. There are 29 Short-term Scholars and the majority (38%) are from Italy, 28% from South Korea and three percent from Taiwan. The 51 Student Interns are from 3 countries, 49 from China and one each from the UK and Chile.

Figure 4-1: Engineering International Visiting Scholars by Citizenship

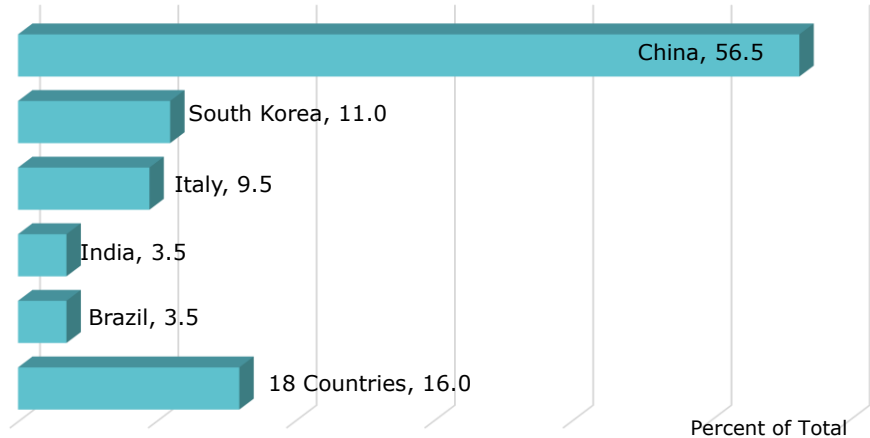


Figure 4-2: International Visiting Scholars Hosted by Herbert Wertheim College of Engineering



# 5. International Student Applications

## in numero

### Herbert Wertheim College of Engineering

- The college received 5,672 international student applications from 108 countries.
- 38% of all international student applications are to the college.
- 71% of international applications are for master degrees and 12% for doctorates.

## International Applications by Type of Program

During the 2019/2020 academic year, 5,672 international students applied for degrees to the Herbert Wertheim College of Engineering. The majority, almost three quarters of all international applications are toward the college master degree programs (Table 5-1).

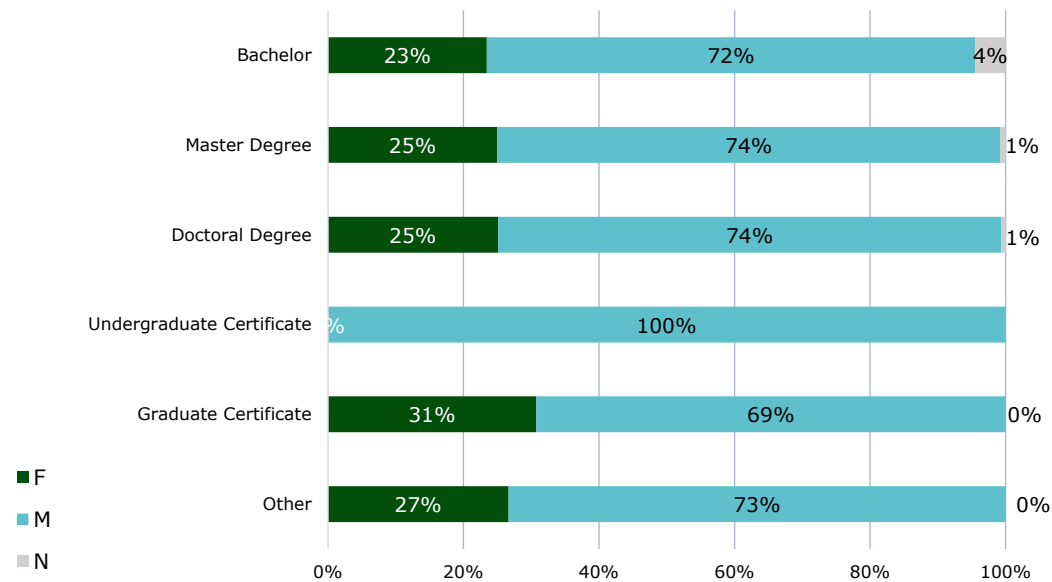
Table 5-1: Engineering International Applications by Degree Type

Degree	Number	Percent
Bachelor Degree	827	14.6
Master's Degree	4,050	71.4
Doctoral Degree	677	11.9
Undergraduate Certificate	4	0.1
Graduate Certificate	39	0.7
Other	75	1.3
TOTAL	5,672	100.0%

Engineering students are mostly male, for all programs, 74% of international applications are from male applicants, 25% from female and 1% did not disclose. For the three degree programs the ratio of male to fame is consistent (Figure 5-1).



Figure 5-1: International Applications by Type of Degree and Gender (Female, Male, Non-Disclosed)



## International Applications by College

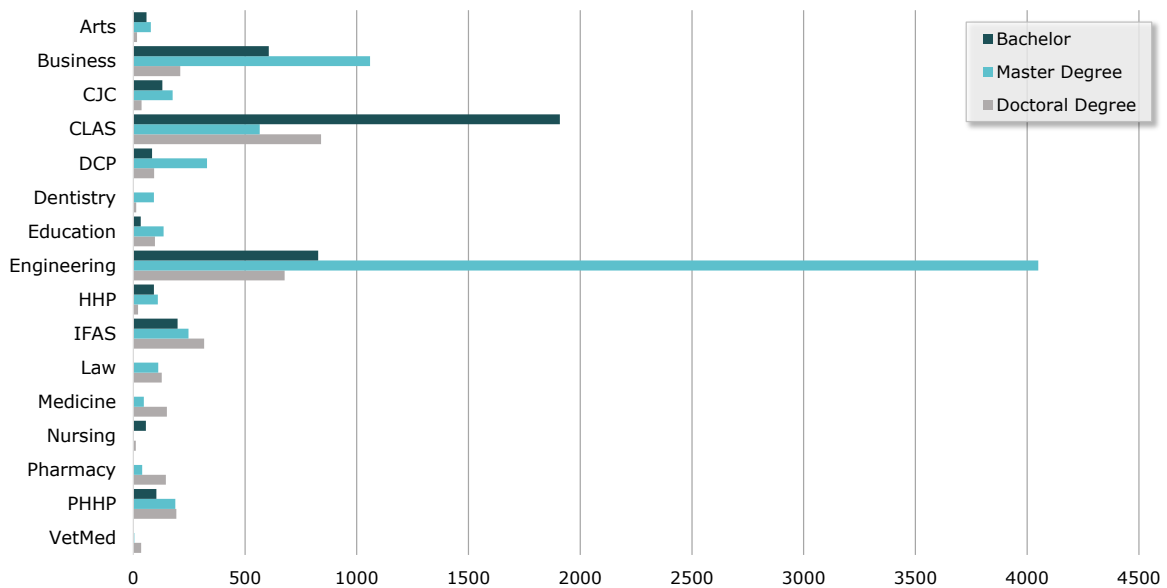
The volume of international applications are generally correlated to the size of the college. However, a little more than one third of all international applications are for programs in the Herbert Wertheim College of Engineering. The College of Liberal Arts and Sciences, UF's largest college, has the second highest number of international applications followed by the Warrington College of Business. These three units account for three quarters of all international applications to UF (Table 5-2).

Table 5-2: International Applications (Number and Percent)

College	Number	Percent
Arts	162	1.1
Business, Warrington College	1,909	12.8
Dentistry	143	1.0
Design, Construction and Planning	514	3.5
Education	302	2.0
Engineering, Herbert Wertheim	5,672	38.1
Health and Human Performance	233	1.6
Institute of Food and Agricultural Sciences	805	5.4
Journalism and Communications	348	2.3
Law	249	1.7
Liberal Arts and Sciences	3,407	22.9
Medicine	252	1.7
Nursing	68	0.5
Pharmacy	262	1.8
Public Health and Health Professions	499	3.4
Veterinary Medicine	77	0.5
<b>TOTAL</b>	<b>14,902</b>	<b>100%</b>

The number of international applications by degree type differs by college. Liberal Arts and Sciences receives the most applications for doctoral programs and undergraduate programs than any other unit. Engineering receives the greatest number of applications for master degrees than any other UF unit. Proportionally, by unit, there is more of a spread in the number of applications for the three levels of degrees in the Colleges of Liberal Arts and Sciences and Engineering. Whereas, proportionally, Liberal Arts and Sciences has a higher percentage of international applications for undergraduate program, the Herbert Wertheim College has a disproportionately higher percent of applications for master level degrees. (Figure 5-2).

Figure 5-2: Number of International Applications by College and Degree Type



## International Applications by Citizenship

The college received applications from 108 countries. Forty percent of applicants are from China and 38% from India. The remaining 22% are from 106 countries where no country accounts from more than 3% of applications (Table 5-3). For engineering master's and doctoral programs, students apply from 71 countries, the majority from China and India. For bachelor degree program, the college receives applications from 95 countries; similarly, the majority are from China and India; however, there are also a substantial number of applicants from Latin America (Table 5-4). For the college's certificate programs, applications come from 14 countries, and likewise, the majority from China and India.

Figure 5-3: Country of Citizenship of Engineering International Applications

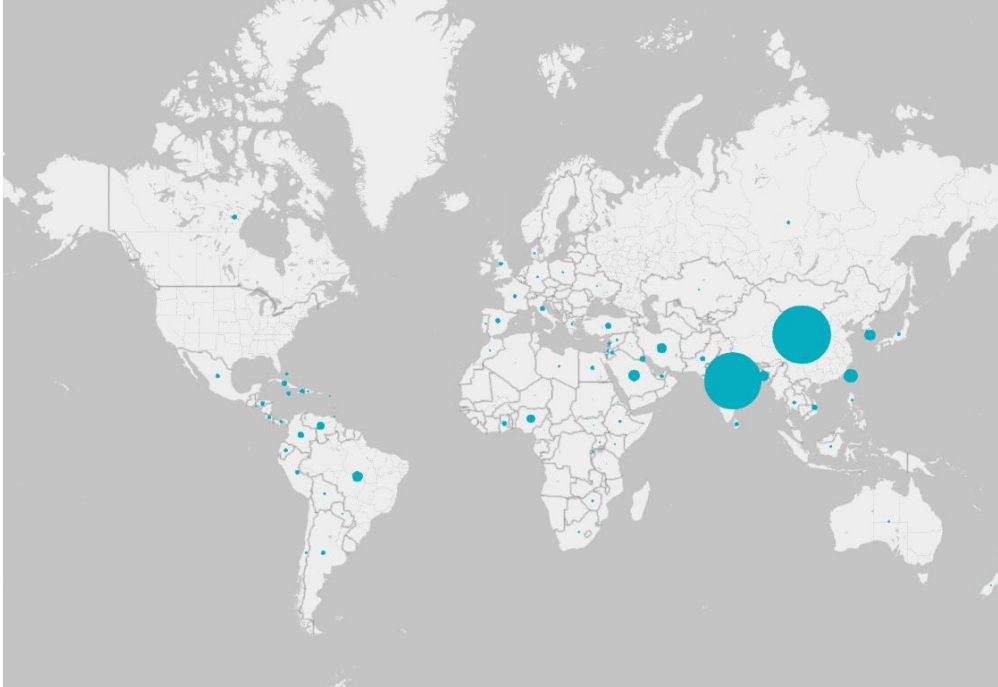


Table 5-3: Total Number of International Applications by Country

Country of Citizenship	All International Applications	
	Number	Percent
China	2,271	40.0
India	2,158	38.0
Taiwan	131	2.3
Saudi Arabia	91	1.6
South Korea	82	1.4
Brazil	77	1.4
102 Countries	862	15.2
<b>TOTAL</b>	<b>5,672</b>	<b>100.0%</b>

Table 5-4: International Applications for Graduate and Undergraduate Programs by Country

Country of Citizenship	Graduate (Master's, Doctoral, Certificate)		Country of Citizenship	Undergraduate (Bachelors and Certificate)	
	Number	Percent		Number	Percent
China	2,070	43.4	China	195	23.5
India	2,007	42.1	India	104	12.5
Taiwan	116	2.4	Brazil	68	8.2
Saudi Arabia	76	1.6	Venezuela	43	5.2
Iran	71	1.5	91 Countries	421	50.7
67 Countries	426	8.9	<b>TOTAL</b>	<b>831</b>	<b>100%</b>
<b>TOTAL</b>	<b>4,766</b>	<b>100%</b>			



# 6. International Students

## in numero

### Herbert Wertheim College of Engineering

- There are 1,852 international students during the Fall 2019 semester.
- 38% of all international students enrolled in Engineering.
- 83% are enrolled in a graduate program.
- International students in Engineering (including students registered in OPT) represent 87 countries.
- 81% of all international students are from India and China.
- 74% of all Engineering international students are male; 24% are female and 2% not reported.
- An additional 1,324 (42% of all college international students) enrolled in OPT.

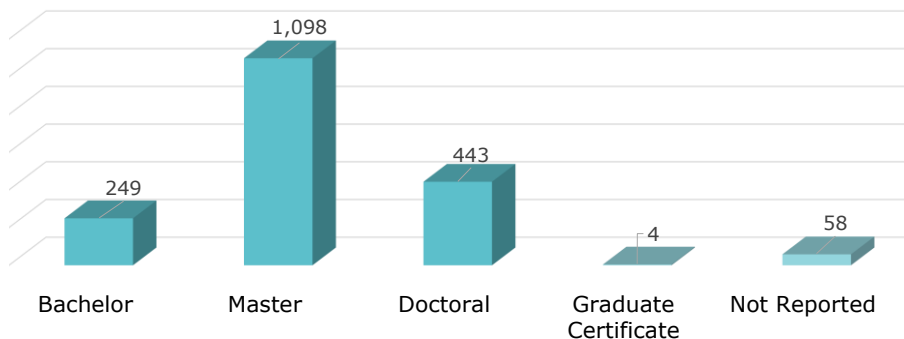
Each year, the International Center welcomes and assists students from around the world to help them make a smooth transition to student life at the University of Florida. The data reported here reflect UF's submission to the Open Doors Report to the US Department of State, Bureau of Educational, and Cultural Affairs.

## International Students by Degree

The Open Doors Report includes counts of all international students registered for the Fall 2019 semester. There are 1,852 international students enrolled in the Herbert Wertheim College of Engineering. The

majority are pursuing a graduate degree, 59% enrolled in a master's program and 24% in a doctoral program. Thirteen percent are enrolled in the undergraduate program. Additionally there are 1,324 students participating in the Optional Practical Training (OPT)<sup>1</sup>.

Figure 6-1: Number of International Students by Degree Type



<sup>1</sup> Optional Practical Training provides international students an opportunity to seek "temporary employment for practical training directly related to the student's major area of study." The student can use it during or after program completion. Pre-completion OPT is always part-time and can be used at any time during the degree program. Post-completion OPT is full-time and is granted only after graduation or completion of the degree program.

# International Students by College and Degree

The greatest number of international students (38%) are enrolled in the Herbert Wertheim College of Engineering. Of all international students pursuing a bachelor degree, the majority are in the College of Liberal Arts and Science, Engineering and in Business. Almost half (44%) of all graduate students are enrolled in Engineering. The largest percentage (14%) of students enrolled in non-degree college based programs are also in Engineering (Table 6-1).

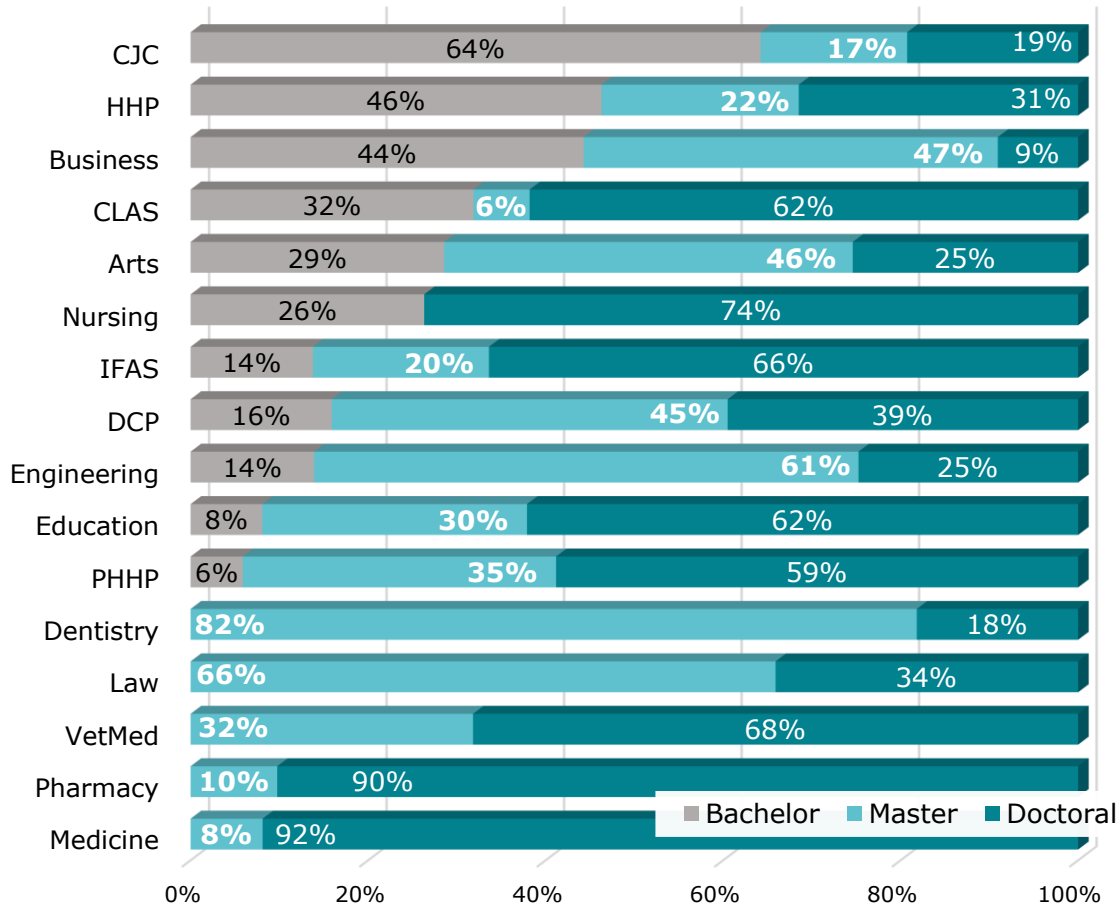
Table 6-1: UF International Students by College and Degree

College	Bachelor Degree		Graduate Degree		Non Degree		Total	
	No.	%	No.	%	No.	%	No.	%
Arts	18	1.9	45	1.3	4	0.9	67	1.4
Business, Warrington College	186	19.5	234	6.7	43	9.9	463	9.4
Dentistry	-	-	11	0.3	-	-	11	0.2
Design, Construction and Planning	31	3.3	164	4.7	5	1.2	200	4.1
Education	10	1.0	120	3.4	6	1.4	136	2.8
Engineering, Herbert Wertheim	249	26.1	1,541	43.8	62	14.3	1,852	37.8
English Language Institute	-	-	-	-	-	50.7	220	4.5
Health and Human Performance	50	5.2	58	1.6	19	4.4	127	2.6
Institute of Food and Agricultural Sciences	66	6.9	413	11.7	13	3.0	492	10.0
Journalism and Communications	70	7.3	39	1.1	-	-	109	2.2
Law, Levin College	-	-	44	1.3	2	0.5	46	0.9
Liberal Arts and Sciences	262	27.5	560	15.9	45	10.4	1,087	17.7
Medicine	-	-	74	2.1	7	1.6	81	1.7
Nursing	5	0.5	14	0.4	-	-	19	0.4
Pharmacy	-	-	82	2.3	6	1.4	88	1.8
Public Health and Health Professions	6	0.6	96	2.7	-	-	102	2.1
Veterinary Medicine	-	-	22	0.6	2	0.5	24	0.5
<b>TOTAL</b>	<b>953</b>	<b>100%</b>	<b>3,517</b>	<b>100%</b>	<b>434</b>	<b>100%</b>	<b>4,904</b>	<b>100%</b>

Trends across all colleges show that the majority of international students are enrolled in graduate programs. With the exception of the College of Journalism and Communications, the ratio of international graduate students to international undergraduates is consistently higher. Within graduate programs, the Colleges of the Arts, Business, Dentistry, Design, Construction and Planning, and Law have greater enrollment for their master degrees than for doctorates. For other units, the

proportion of international students in doctoral programs outweigh those in master level programs. Twelve percent of all international graduate students and seven percent of undergraduate students are in IFAS (Table 6.1; Figure 6-2).

Figure 6-2: International Students by Degree Type and College



## International Students: Home Country

The 1,852 international students (not including OPT) enrolled in an engineering major represent 78 countries. The majority, three quarters, are from China and India. Four of five international students in the college are from Asia (Table 6-2).

Table 6-2: Region of Citizenship (Engineering All Students)

Country of Citizenship	All International Students*	
	Number	Percent
Central and Southern Asia	782	42.2
Eastern and Southeastern Asia	760	4.10
Europe	105	5.7
Latin America and the Caribbean	103	5.6
North Africa and Western Asia	66	3.6
Sub Saharan Africa	21	1.1
North America	11	0.6
Oceania	4	0.2
<b>TOTAL</b>	<b>1,852</b>	<b>100%</b>

\*Non OPT

Figure 6-3: Country of Citizenship of Engineering International Students (Including OPT)



Table 6-3: Country of Citizenship: All Engineering Majors

Country of Citizenship	All International Students*	
	Number	Percent
India	711	38.4
China	655	35.4
Taiwan	45	2.4
Venezuela	38	2.1
South Korea	37	2.0
Spain	37	2.0
72 Countries	329	17.8
<b>TOTAL</b>	<b>1,852</b>	<b>100%</b>

\*Not Including OPT.



There are 249 declared undergraduate majors in Engineering from 50 countries. The majority are from China and Venezuela. One third of undergraduates are from Eastern and Southeastern Asia and a little less than one third are from Latin America and the Caribbean.

**Table 6-4: Country of Citizenship (Undergraduate Students)**

Country of Citizenship	Undergraduate Students	
	Number	Percent
China	65	26.1
Venezuela	34	13.7
India	21	8.4
47 Countries	129	51.8
<b>TOTAL</b>	<b>249</b>	<b>100%</b>

In Fall 2019, there were 1,541 non OPT students enrolled in master’s and doctoral programs at IFAS. The students are from 53 countries and the majority from India and China. There were 1,098 international students enrolled in master programs from 34 countries, the majority from India and China. The 43 international students pursuing a doctorate are from 44 countries, and two thirds are from china and India (Table 6-5).

**Table 6-5: Country of Citizenship (Non OPT Master’s and Doctoral Students)**

Country of Citizenship	Master’s		Country of Citizenship	Doctoral	
	Number	Percent		Number	Percent
India	593	54.0	China	176	39.7
China	407	37.1	India	96	21.7
Taiwan	29	2.6	Iran	31	7.0
31 Countries	69	6.3	Bangladesh	24	5.4
<b>TOTAL</b>	<b>1,098</b>	<b>100%</b>	40 Countries	116	26.2
			<b>TOTAL</b>	<b>443</b>	<b>100%</b>

## Optional Practical Training (OPT)

There is a substantial number of international students at UF who have graduated and have decided to seek temporary training and/or employment. Of all OPT enrolled students at UF for Fall 2019, more than half are in the Herbert Wertheim College of Engineering. The Colleges of Business and Liberal Arts and Sciences also have sizeable numbers (Table 6-6). For the College of Engineering, there were 1,324 engineering students enrolled in OPT. If including these students in the overall number of international students in the college, 42% are enrolled in OPT. Significantly fewer engineering students graduating with a bachelor degree pursue OPT; only 2.5% have graduated with a bachelor degree. More master’s degree graduates pursue OPT and comprise 86% of all engineering OPT students. Twelve percent of engineering doctoral students are registered in OPT.

Table 6-6: OPT Students by College (Number and Percent)

College	Bachelor Degree		Graduate Degree*		Total	
	No.	%	No.	%	No.	%
Arts	2	2.2	5	0.2	7	0.3
Business, Warrington College	18	19.4	226	10.4	244	10.8
Dentistry	-	-	2	0.1	2	0.1
Design, Construction and Planning	4	4.3	98	4.5	102	4.5
Education	-	-	25	1.2	25	1.1
Engineering, Herbert Wertheim	33	35.5	1,291	59.5	1,324	58.4
Health and Human Performance	5	5.4	19	0.9	24	1.1
Institute of Food and Agricultural Sciences	14	15.1	136	6.3	150	6.6
Journalism and Communications	4	4.3	10	0.5	14	0.6
Law, Levin College	-	-	11	0.5	13	0.6
Liberal Arts and Sciences	10	10.8	265	12.2	275	12.1
Medicine	-	-	26	1.2	26	1.1
Nursing	-	-	2	0.1	2	0.1
Pharmacy	-	-	16	0.7	17	0.7
Public Health and Health Professions	3	3.2	33	1.5	36	1.6
Veterinary Medicine	-	-	5	0.2	5	0.2
Not Reported	-	-	-	-	2	0.1
TOTAL	93	100%	2,170	100%	2,268	100%

\*Includes 1,700 master's graduates; 469 doctoral graduates; and 1 Specialist in Education Degree.

Engineering international students participating in the OPT program come from 44 countries. Two thirds are from India and 23% from China (Table 6-7).

Table 6-7: Country of Citizenship (OPT)

Country of Citizenship	Number	Percent
India	895	67.6
China	302	22.8
Taiwan	27	2.0
Venezuela	14	1.1
40 Countries	86	6.5
TOTAL	1,324	100%

# 7. Study Abroad Programs

## in numero

### Herbert Wertheim College of Engineering

- 70 students studied abroad; 8.7% of all study abroad students at UF
- 84% of Engineering study abroad students are undergraduates; 13% are master's students; and 3% did not report.
- 53% participated in the spring semester; 46% in the fall. One student engaged in a full academic year program.
- All but six students, 91% participated in a traditional study abroad experience. Seven percent focused on research and one student participated in an internship.
- More than half of study abroad students are white (59%); 17% are Hispanic or Latino; 11% are multi ethnic; 6% are Asian; and 4% are Black.
- 51% of study abroad students are female and 49% male.
- Students travelled to 18 countries. The majority (59%) participated in a program with an institution in Europe.

Study Abroad Services (SAS) faced many challenges over the course of the 2019-2020 Academic Year. Beginning with protests last fall in Hong Kong forcing exchange partner institutions to shut down and requiring UFIC to evacuate eight students, we have experienced one challenge after another.

In the spring, we found ourselves in uncharted territory, as the snowball spread of COVID forced us to change plans overnight and create policies where none previously existed. As the virus jumped from Asia to Europe, one of the most popular study abroad destinations for UF students -Italy- became a COVID epicenter. UF made the difficult decision to evacuate 43 students and faculty in the School of Architecture from Vicenza, Italy. Unfortunately, this was only the first of many difficult decisions. Understandably, this was incredibly disappointing, but as the semester progressed, and the U.S. Department of State issued an unprecedented worldwide

Level 4 Travel Advisory, study abroad at UF came to a halt.

In total, 279 study abroad students began a study abroad experience and were affected by the pandemic in the spring. With a few exceptions, nearly all of those students returned to the U.S. to complete their semester remotely. For those who elected to remain abroad of their own accord, their coursework also transitioned to online platforms. With their return, students faced new challenges with remote learning, especially those that were participating in overseas internships.

Throughout all these challenges, the International center continues to be committed to providing a study abroad experience for our students in the future. We believe that studying, interning, or conducting research abroad is a high impact value added to a college education. Study abroad experiences can expand a student's worldview, build confidence, and contribute to a greater awareness of cultures and perspectives. These competencies are vital for preparing our students for a rapidly changing global workforce. We will continue to invest in study abroad programs as we gear up for the Summer and Fall 2021 terms.

# Study Abroad by College

This year, substantially fewer students participated in a study abroad; however, with few exceptions, almost all colleges had some students enrolled. In the 2018/19 academic year a total 2,637 students travelled abroad for a University of Florida sanctioned study abroad experience. In comparison, in 2019/20, 803 were able to participate in a study abroad program. For Herbert Wertheim College of Engineering, 277 students participated in 2018/19 and only 70 during this academic year. This is a dramatic shift from last year when three percent of engineering students travelled abroad compared to this year’s less than one percent<sup>2</sup>.

The greatest number of students, almost half of all study abroad are in the Warrington College of Business. Of all students enrolled in Warrington College of Business, five and one half percent participated in study abroad this year. This represents the highest percentage of all colleges. The Colleges Liberal Arts and Sciences, Engineering, and of Design, Construction and Planning had relatively large number of students enrolled in study abroad (Table 7-1).

**Table 7-1: Number of Students who Participated in Study Abroad by College**

College	Number of Study Abroad Students	Percent of All UF Study Abroad Students	Percent of Study Abroad Students Enrolled in College
Arts	3	0.4	0.2
Business, Warrington College	376	46.8	5.5
Design, Construction and Planning	76	9.5	4.5
Engineering, Herbert Wertheim College	70	8.7	0.7
Health and Human Performance	7	0.9	0.3
Institute of Food and Agricultural Sciences	44	5.5	0.7
Journalism and Communications	39	4.9	1.3
Law, Levin College	6	0.7	0.7
Liberal Arts and Sciences	166	20.7	1.2
Nursing	2	0.2	0.2
Pharmacy	6	0.7	0.3
Public Health and Health Professions	3	0.4	0.1
Other	4	0.5	
TOTAL	803	100%	1.5

<sup>2</sup> The percentage of students is calculated by dividing the number who participated in study abroad during the 2019/2020 academic year by the total number of students registered at UF in Fall 2019. This includes all undergraduate and graduate students both on campus and online.

# Graduate vs Undergraduate Study Abroad

Primarily, undergraduates are most likely to participate in study abroad. In the College, the majority (84%) of students are undergraduates. Nine or 13% are master's students and two students did not report. (Figure 7-1).

Figure 7-1: Number of Study Abroad Students by Academic Level

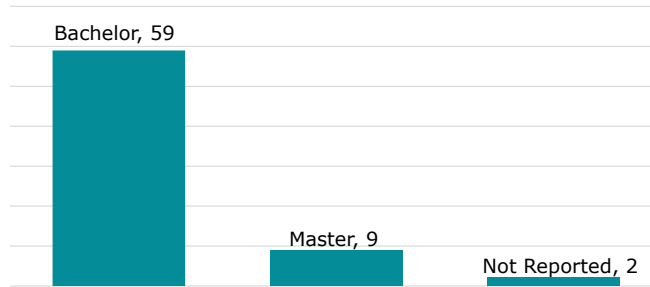
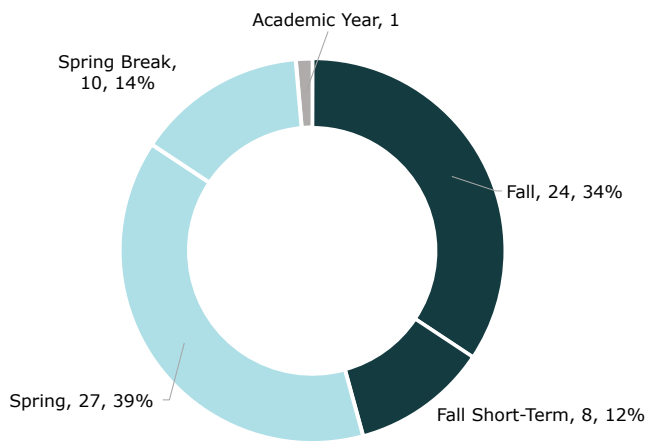


Figure 7-2: Participation in Study Abroad by Term (Number and Percent)



## Study Abroad Programs and Terms

Traditionally, the majority of students participate in study abroad during the summer. Last year almost 70% of all study abroad students participated in a summer abroad program at UF and 72% of Engineering students studied abroad during the summer. This year, the International Center cancelled summer programming and all travel was limited to the fall and

spring semesters (Figure 7-2; Table 7-2).

With this year's unique circumstances, similar numbers of engineering students participated in study abroad in the spring and fall. Forty-six percent travelled in the fall and 53% in the spring. Students participating in the spring semester may have participated virtually online with our partner institutions for all or part of the program.



Table 7-2: Study Abroad by College and Term

College	Academic Year	Percent of Students						Total Number of Students
		Fall	Fall Short Term	Spring	Spring Break	Spring Short Term	Summer	
Arts	-	33.3	-	33.3	33.3	-	-	3
Business, Warrington College	0.5	13.0	49.2	19.1	18.1	-	-	376
Design, Construction and Planning	-	42.1	1.3	56.6	-	-	-	76
Engineering, Herbert Wertheim College	1.4	34.3	11.4	38.6	14.3	-	-	70
Health and Human Performance	-	14.3	-	71.4	14.3	-	-	7
Institute of Food and Agricultural Sciences	-	22.7	4.5	22.7	20.5	29.5	-	44
Journalism and Communications	-	25.6	2.6	64.1	7.7	-	-	69
Law, Levin College	-	-	83.3	-	16.7	-	-	6
Liberal Arts and Sciences	8.4	39.2	4.2	41.6	4.2	2.4	-	166
Nursing	-	-	-	50.0	50.0	-	-	2
Other	-	25.0	-	75.0	-	-	-	4
Pharmacy	-	83.3	-	16.7	-	-	-	6
Public Health and Health Professions	-	-	-	66.7	33.3	-	-	3
PERCENT	2.1	25.3	25.5	32.4	12.6	2.1	-	100%
TOTAL NUMBER OF STUDENTS	17	203	205	260	101	17	0	803

## Type of Study Abroad Experiences

In addition to a traditional study abroad experience of classroom and accompanying travel and tours, there are programs that include the opportunity to participate in research, internships, and other unique projects while abroad which qualify for academic credit. Of all engineering students who studied abroad, all but six (91%) participated in a traditional program. Five students tied their experience to research and one student enrolled in an internship (Table 7-3).

Table 7-3: Type of Study Abroad Program by College (Percent of College)

College	Percent of Students				Total Number of Students
	Traditional	Work Internship	Research Fieldwork	Independent Study	
Arts	3	-	-	-	3
Business, Warrington College	348	28	-	-	376
Design, Construction and Planning	75	1	-	-	76
Engineering, Herbert Wertheim College	64	1	5	-	70
Health and Human Performance	7	-	-	-	7
Institute of Food and Agricultural Sciences	43	-	-	1	44
Journalism and Communications	34	4	-	1	39
Law, Levin College	6	-	-	-	6
Liberal Arts and Sciences	154	10	2	-	166
Nursing	2	-	-	-	2
Pharmacy	-	-	-	6	6
Public Health and Health Professions	2	1	-	-	3
Not reported	3	1	-	-	4
PERCENT	92.4%	5.7%	0.9%	1.0%	100%
TOTAL NUMBER OF STUDENTS	742	46	7	8	803

## Program Destinations

Engineering students participated in programs with institutions in 18 countries. The majority, more than half, participated in a program in Europe, mostly with programs in Spain, Ireland and Denmark. Almost 20% went to East Asia, namely, South Korea. A substantial number, ten students, travelled to Australia and New Zealand (Figure 7-3).

Figure 7-3: Study Abroad by Region

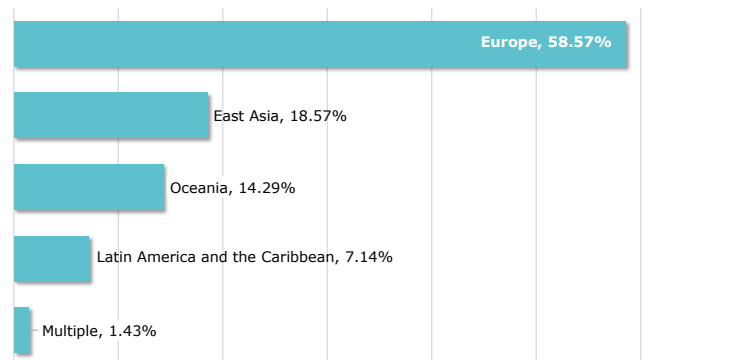


Table 7-4: Study Abroad Destinations for the Herbert Wertheim College of Engineering

Country	Number	Percent
Spain	14	20.0
Australia	9	12.9
Ireland	9	12.9
South Korea	8	11.4
Denmark	6	8.6
13 countries	24	34.3
TOTAL	70	100%

Five students that participated in a research focused study abroad experience participated in a program in Spain. One student who served as an intern travelled to Australia.

## Study Abroad Student Profile

More than half (59%) of all Engineering students who studied abroad during the 2019/2020 academic year are white students. Hispanic/Latino students comprise 17% of study abroad students. Substantially fewer (4%) are Black or African American; 11.4% are multi ethnic; and 5.7% are Asian. The ratio of female to male students studying abroad is close 51% female and 49% male. The ration between male and female is not consistent among all ethnic/racial groups. However, with only 70 students participating, it is difficult to make generalizations related to trends in gender, race and ethnicity (Table 7-5).

Table 7-5: Gender, Race, and Ethnicity of Study Abroad Students

Race and Ethnicity	Female		Male	
	No.	Percent	No.	Percent
White	23	56.1	18	43.9
Hispanic/Latino	3	25.0	9	75.0
Black/African American	2	66.7	1	33.3
Asian	3	75.0	1	25.0
Multi Ethnic	4	50.0	4	50.0
Not Reported	1	50.0	1	50.0
TOTAL	36	51.4	34	48.6

# 8. International Center Programs

## Programs to Support Faculty, Staff, and Students

Engaging with faculty, staff, and students is a key area of strategic importance to the University of Florida and has been a priority in our roadmap to preeminence. The International Center invests in cross cutting programs to support internationalization efforts including research, student experiences, leadership development, and promoting meaningful partnerships to universities abroad.

### in numero

#### Herbert Wertheim College of Engineering

- Nine faculty, staff, and students attended a Fulbright event.
- One doctoral student received a travel grant for fieldwork or international collaborative research to support their dissertation (\$4,305).
- 36 undergraduate students enrolled in the UF International Scholars Program.
- Two engineering students graduated with an International Scholars Medallion.

## International Educator Awards

In 2019/20, the Herbert Wertheim College of Engineering named the following faculty and staff as the College International Educator of the Year.

- **Senior Faculty Award:** Dr. José C. Príncipe, Professor, Electrical and Computer Engineering
- **Junior Faculty Award:** Dr. Yier Jin, Associate Professor; Endowed IoT Term Professor and Academic Director, Warren B. Nelms Institute for the Connected World
- **Staff Award:** Adrienne Cook, Academic Advisor III, Department of Computer and Information Science and Engineering

## UF Fulbright Events

The Fulbright Scholars program is sponsored by the U.S. Department of State's Bureau of Educational and Cultural Affairs. Founded in 1946, the programs mission is to improve intercultural relations and cultural diplomacy between the United States and other countries around the world. At UF, the Fulbright program works with a large set of collaborating partners across campus. The International Center coordinates and hosts events to promote the Fulbright experience. During the 2019/2020 academic

year, the International Center co-sponsored nine events attended by 194<sup>3</sup> faculty, students and staff from almost every college at UF.

**Table 8-1: Attendance at UF Fulbright Events**

Event	Number Attended
Fulbright Luncheon with Gary Monroe	77
Engaging the World Through the Fulbright Program	43
My Fulbright in 7 Minutes (Jan)	40
My Fulbright in 7 Minutes (Oct)	31
Social Media and Political Participation in Cameroon	25
How To Prepare a Successful Fulbright Application	18
Fulbright Lunch	12
Fulbright Scholar Program Information Session	6
Things to Consider When Applying for A Fulbright	1
Other	8
<b>TOTAL</b>	<b>261</b>

**Table 8-2: Attendance at Fulbright Events by College and Unit**

College/Unit	Number Attended*
Institute of Food and Agricultural Sciences	60
Liberal Arts and Sciences	43
UF International Center	30
Arts	19
Design, Construction and Planning	19
UF Administrative Office	12
Engineering, Herbert Wertheim College	9
George A. Smathers Libraries	8
Journalism and Communications	7
FLMNH and Harn	4
Multi-Disciplinary Research Centers	4
Medicine	3
Nursing	3
Pharmacy	3
Education	2
Veterinary Medicine	1
Health and Human Performance	1
Law, Levin College	1
Public Health and Health Professions	1
Other	4
Not Reported	27
<b>TOTAL</b>	<b>261</b>

\*Faculty/students/staff may have participated in multiple events and one person could be counted at multiple of events.

<sup>3</sup> Several people attended multiple events; therefore, the number of attendees per event is higher at 261.



# Research Abroad for Doctoral (RAD) Students

The International Center is committed to supporting international graduate education. The RADs program provides travel funding to PhD candidates in the STEM disciplines to conduct research at a foreign laboratory or collect data outside of the USA. During the 2019/2020 academic year, the International Center provided \$4,305 in support of doctoral research in the college.

## **Herbert Wertheim College of Engineering (\$4,305)**

- **Mirela Silva**, Department of Electrical and Computer Engineering, \$4,305 for research in Brazil.

# International Scholars Program

The International Scholars Program (ISP) is a commencement medallion program open to all undergraduate students. ISP allows students to develop a global mindset and acquire in-demand skills by integrating international coursework, interdisciplinary perspectives, digital literacy, and experiential learning opportunities. The College of Engineering enrolled 36 students in ISP and two students had graduated with the designation. To graduate with the International Scholars designation, the student must meet four requirements:

1. Two credits of international themed coursework
2. One international experience (e.g. study abroad) or two semesters of a foreign language
3. Be engaged in the various international campus life programs available throughout the year
4. The student must complete the capstone e-portfolio program that features their accomplishments at UF and abroad in an online forum

Seven percent of students enrolled in the International Scholars program are engineering students and two students graduated with an ISP designation (Table 8-3).

Table 8-3: International Scholars Program by College

College/Unit	International Scholars Enrolled		International Scholars Graduated	
	Total Enrolled	Percent	Total Graduated	Percent
Arts	25	4.7	2	2.3
Business, Warrington College	46	8.6	5	5.8
Design, Construction and Planning	4	0.8	-	-
Engineering, Herbert Wertheim College	36	6.8	2	2.3
Health and Human Performance	9	1.7	1	1.2
Institute of Food and Agricultural Sciences	62	11.6	16	18.6
Journalism and Communications	27	5.1	2	2.3
Liberal Arts and Sciences	300	56.3	56	61.1
Nursing	7	1.3	-	-
Public Health and Health Professions	17	3.2	2	2.3
TOTAL	533	100%	86	100%

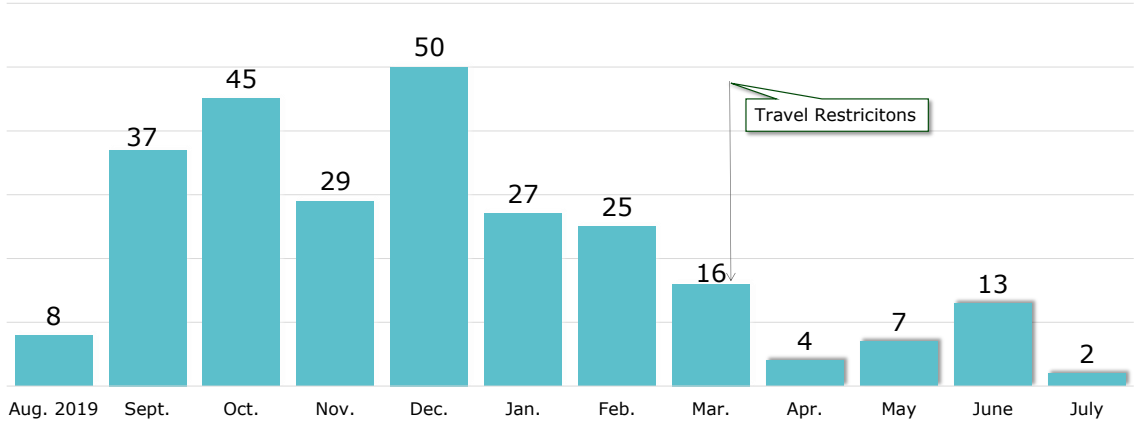
# 9. Travel Registry

University of Florida faculty, staff, and researchers travel internationally as part of their official UF duties. For example, they may travel to attend conferences, collect field data, engage in outreach activities, collaborate with partners, participate in meetings, recruit students, etc. As with all aspects of international engagement, the university restricted travel by March 20, 2020<sup>4</sup>. At that time, UF restricted all non-essential university travel following Centers for Disease Control guidelines. In limited cases, university leadership approved essential travel, and the numbers beginning March 2020 reflect the decrease in travel activity (Figure 9-1).

**in numero**  
Herbert Wertheim College of Education

- Faculty, students, and staff made 263 trips.
- Faculty, staff, students, and alumni travelled to 53 countries.
- Majority of all trips are to participate in international conferences.
- Almost three quarters of all trips are by faculty and 19% by staff.
- The top travel destinations are Canada, France, China and Germany.

Figure 9-1: Herbert Wertheim College of Engineering Number of Trips by Month



Most travel (65%) is for attending and participation at conferences and 20% is tied to a research initiative. Many travel as invited speakers, teaching, and providing training and to participate in workshops and panels (Table 9-1).

<sup>4</sup> UF had imposed restrictions on specific destinations earlier than March 2020.

Table 9-1: Purpose of Travel

Purpose of Travel	Number of Trips	Percent of All Trips
Conference	171	65.0
Research	51	19.4
Other	17	6.5
Invited Speaker, Teaching, Training	11	4.2
Networking, Meetings, Seminars, Workshops, Panel Participation	8	3.0
Recruiting	4	1.5
Technical Assistance and Outreach	1	0.4
TOTAL	263	100%

The travel registry tracks all University of Florida related travel and would include trips by faculty, staff, alumni, affiliates working on UF programs, and students traveling for reasons other than for study abroad (which is documented in the Study Abroad section of the report). Approximately three-quarters of all trips are by faculty and 20% by staff (Figure 9-2). Of all engineering faculty trips, 64% was to attend conferences and 18% for research. Of all staff trips, 76% attended an international conference, 14% travelled for research (Table 9-2).

Figure 9-2: Who is Traveling?

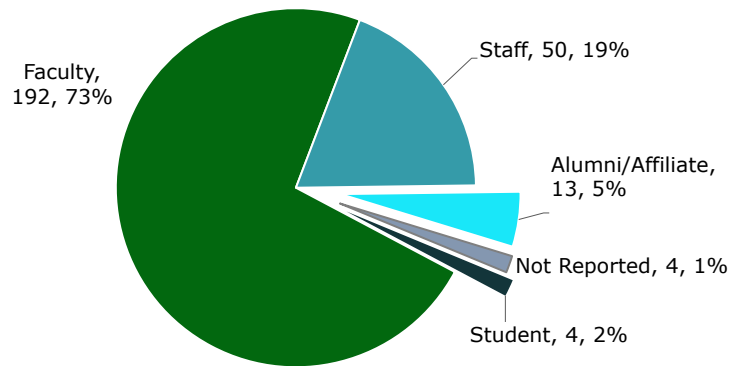


Table 9-2: Travel Purpose by Role in College

Purpose of Travel	Faculty	Staff	Students	Alumni Affiliates	Not Reported	Total
Conference	122	38	2	7	2	171
Research	35	7	1	6	2	51
Invited Speaker, Teaching, Training	11	-	-	-	-	11
Other	12	5	-	-	-	-
Networking, Meetings, Seminars, Workshops, Panel Participation	8	-	-	-	-	8
Recruiting	4	-	-	-	-	4
Technical Assistance and Outreach	-	-	-	-	1	1
TOTAL	192	50	13	4	4	263

Half of all travel is from three units – the Institute for Food and Agricultural Sciences, the College of Liberal Arts and Sciences and the Herbert Wertheim College of

Engineering. IFAS faculty, staff and students account for twenty-two percent of all UF trips. Type One Centers and other research-based units might be under represented if faculty listed their travel with their home academic unit. For example, the four trips listed by the Center for Latin American Studies reports only four trips; most likely, because the faculty working with the Center are administratively appointed to a specific college (Table 9-3).

Table 9-3: Travel by College and Unit

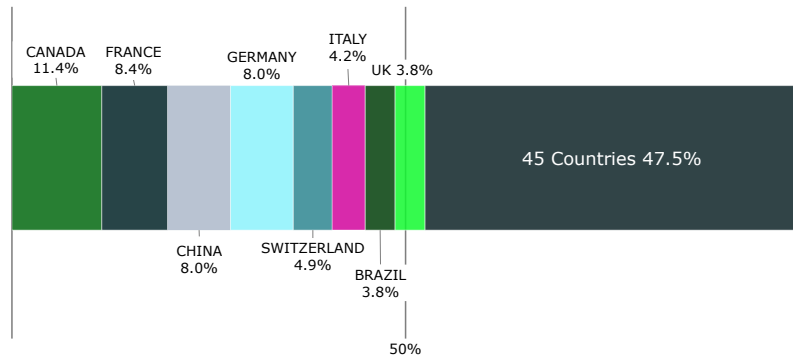
College/Unit	Number of Trips	Percent of Total
Institute of Food and Agricultural Sciences	463	22.0
Liberal Arts and Sciences	412	19.6
Herbert Wertheim College of Engineering	263	12.5
Medicine	206	9.8
Public Health and Health Professions	86	4.1
Florida Museum of Natural History	76	3.6
Veterinary Medicine	71	3.4
Arts	62	3.0
Warrington College of Business	61	2.9
Pharmacy	61	2.9
Office of Admissions	45	2.1
Design, Construction and Planning	32	1.5
Graduate School	30	1.4
Levin College of Law	26	1.2
Center for Latin American Studies	24	1.1
Dentistry	23	1.1
Education	23	1.1
Health and Human Performance	23	1.1
George A. Smathers Libraries	22	1.0
Journalism and Communications	19	0.9
Medicine - Jacksonville	18	0.9
International Center	17	0.8
Office of Research	11	0.5
Type One Centers	9	0.4
Not Reported	8	0.4
University Wide	6	0.3
Nursing	4	0.2
TOTAL	2,101	100%



# Destination of Travel

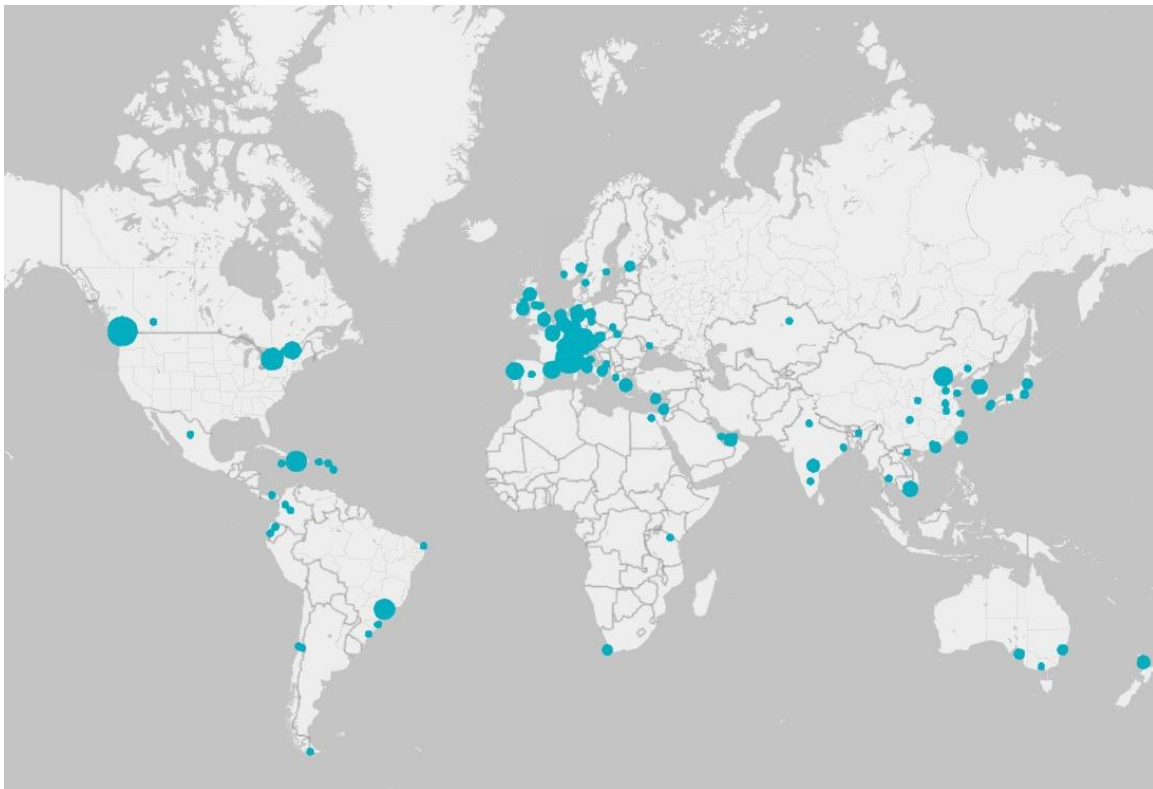
Engineering faculty, staff, students and affiliates traveled to 53 countries. The top travel destinations are Canada, France, China and Germany. No other country destination

Figure 9-3: International Travel Destinations



accounts for more than three percent of trips in the college (Figure 9-3).

Figure 9-4: International Travel Destinations by Engineering Faculty, Staff, Alumni and Affiliates



# 10. Appendix: Agreements

Institution	Country	Agreement Manager	Type	Termination Date
Al Yamamah University	Saudi Arabia	Sartaj Sahni	Cooperative	5/11/2021
Amity University Uttar Pradesh	India	Sartaj Sahni	Cooperative	9/7/2020
Beijing Institute of Technology	China	Huikai Xie	Cooperative	12/20/2022
Ben-Gurion University of the Negev	Israel	Theodor Krauthammer	Cooperative	2/25/2021
Bennett University	India	Sartaj Sahni	Cooperative	10/15/2021
Burapha University	Thailand	Louis Motz Nancy McIlrath	Cooperative	4/17/2021
Clausthal University of Technology	Germany	Wolfgang Sigmund	Cooperative	3/1/2022
Escuela Superior Politecnica del Litoral	Ecuador	Pingchien Neo	Cooperative	5/23/2024
Escola Politéchnic da Universidade de São Paulo	Brazil	Erik Sander Angela Linder	Cooperative	2/19/2024
Gazi University	Turkey	Pingchien Neo	Cooperative	5/3/2021
Hamburg University of Applied Sciences	Germany	Pingchien Neo	Reciprocal	12/20/2020
Hong Kong Polytechnic University	Hong Kong	Pingchien Neo	Reciprocal	10/15/2024
Jaypee Education System	India	Sartaj Sahni	Cooperative	3/4/2020
JK Lakshmipat University	India	Sartaj Sahni	Cooperative	2/7/2024
Korea Aerospace University	South Korea	Nam-Ho Kim	Cooperative	3/2/2023
Korea Aerospace University	South Korea	Matt Mitterko Karen Ehlers Debra Anderson	Other	10/22/2025
Mahindra Ecole Centrale	India	Sartaj Sahni	Cooperative	6/18/2023
Manipal University Jaipur	India	Sartaj Sahni	Cooperative	5/29/2024
Politecnico di Milano	Italy	John Sansalone	Cooperative	4/29/2021
Ramsar Regional Centre for Training and Research in the Western Hemisphere	Panama	David Kaplan Thomas Ankersen	Cooperative	10/1/2024
RWTH Aachen	Germany	Pingchien Neo	Reciprocal	10/17/2023
Salahaddin University - Erbil	Iraq	Carl Crane III	Cooperative	11/30/2021
SKEMA Business School	France	Jack Elzinga Nagaraj Arakere	Reciprocal	8/27/2019
Technical University of Denmark	Denmark	Pingchien Neo	Reciprocal	1/26/2023
Technion - Israel Institute of Technology	Israel	Angela S. Lindner	Cooperative	12/21/2021
Thapar University	India	Sartaj Sahni	Cooperative	4/16/2019
Federal University of Rio Grande do Norte	Brazil	Arturo Suman Bretas	Cooperative	2/8/2022
Hong Kong University of Science and Technology	Hong Kong	Lan Guanghui Pingchien Neo	Reciprocal	2/11/2024
School of Civil Engineering at Hamburg University of Technology	Germany	Fazil Najafi	Cooperative	7/10/2021
Universidad Carlos III de Madrid	Spain	Pingchien Neo	Reciprocal	7/11/2023
Universidad Politecnica de Madrid	Spain	David Hahn	Cooperative	3/29/2023
Universidad Pontificia Comillas	Spain	Pingchien Neo	Reciprocal	11/4/2019

Institution	Country	Agreement Manager	Type	Termination Date
Universidade de São Paulo - São Carlos School of Engineering	Brazil	Hitomi Yamaguchi Greenslet	Cooperative	2/20/2024
Universidade Estadual de Campinas	Brazil	Eric Sander	Cooperative	5/28/2020
Universita Degli Studi de Padova	Italy	Alberto Cnestrelli	Cooperative	5/12/2025
Università degli Studi di Parma	Italy	Gabriele Tebaldi Nancy McIlrath	Cooperative	4/13/2022
Universita Politecnica Delle Marche	Italy	Alex Sheremet Nancy McIlrath	Cooperative	9/29/2020
University of Genova	Italy	John Sansalone	Cooperative	11/15/2021
University of New South Wales	Australia	Juan Nino	Reciprocal	3/15/2020
University of Parma	Italy	Nancy McIlrath- Glanville	Cooperative	4/12/2024
University of West Indies	Jamaica	Haniph Latchman	Cooperative	3/15/2021



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