

THE
UNIVERSITY
OF RHODE ISLAND
INTERNATIONAL
ENGINEERING
PROGRAM

2013-14
Facts & Figures

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Enrollment Figures 2013-14

Breakdown by Major*:	#	Percentage of Total IEP-Serviced Students:			
IEP (Declared EGR)	299	87%	Total Engineering Students Serviced by IEP	308	89%
IEP (Wanting Engineering)	9	3%			
IBP (International Business Program)	28	8%	Total Non-Engineering Students Serviced by IEP**	33	10%
ICSP (International Computer Science Program)	3	1%			
Other	2	1%			
Graduate (dual degree programs with partner universities)	4	1%	Total Graduate Students Serviced by IEP	4	1%
Total Students Serviced by IEP*	345				

*Due to double majors and rounding, percentages may not equal 100.

**Includes students in non-engineering majors who were or will be placed in internships abroad by IEP directors.

IEP Undergrads (Declared Engineering)*	URI College of Engineering Undergrads*	% of COE
299	1316	23%

*IEP numbers reflect enrollment collected Spring 2014. COE numbers reflect enrollment collected Fall 2013. Both numbers do not include Wanting Engineering designation.

IEP/College of Engineering Demographics		IEP # (299)	% of IEP	COE # (1316)	% of COE
Gender	Female	78	26%	223	17%
	Male	221	74%	1093	83%
Ethnicity	Represented Groups (White, Asian)	226	84%	1000	87%
	Underrepresented Groups (Black/African American, Hispanic/Latino, 2+ Races)	42	16%	148	13%
Residency	In-State Rhode Islanders	186	62%	755	57%
	Out of State	91	30%	417	32%
	Regional	18	6%	126	10%
	Out of Country	4	1%	18	1%
Scholarship Recipients	Centennial Scholarships or University Scholarships	159	53%	<i>Data unavailable</i>	
Talent Development		15	5%	22	2%

** IEP ethnicity numbers and percentages are based on 268 students who self-reported. COE ethnicity numbers and percentages are based on 1148 students who self-reported, not including Non-Resident Alien designation.

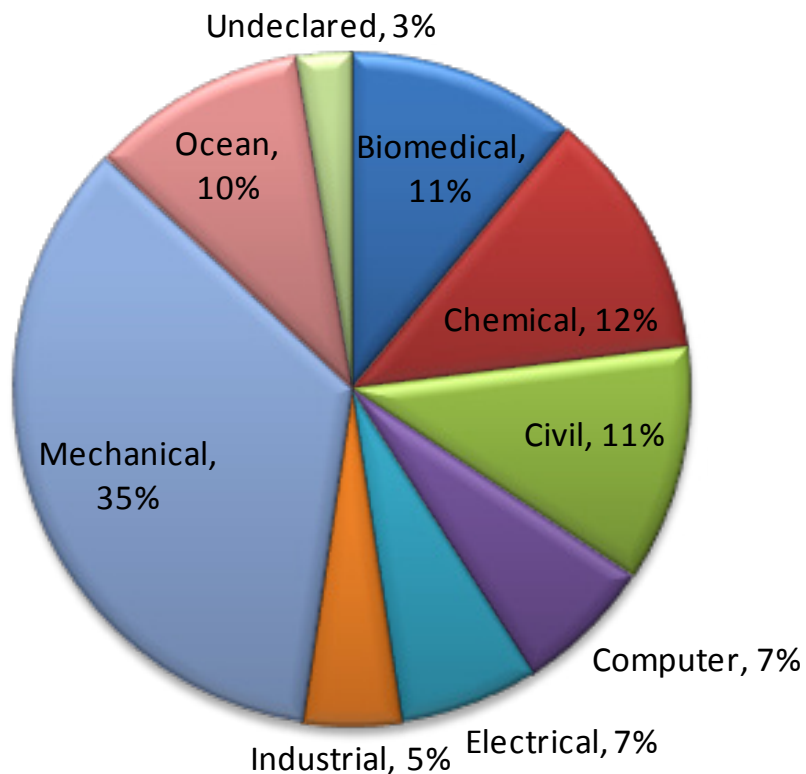
2013-14 Enrollment Figures By Language Track

By Engineering Discipline****	IEP #	% of IEP
• Biomedical	33	11%
• Chemical	36	12%
• Civil	34	11%
• Computer	20	7%
• Electrical	20	7%
• Industrial & Systems	14	5%
• Mechanical	104	35%
• Ocean	31	10%
• Undeclared B.S. in Engineering	8	3%

COE Total # of Majors	% of COE
147	11%
133	10%
209	16%
89	7%
121	9%
46	3%
344	26%
125	9%
102	8%

****Includes one ELE/CPE double major

IEP Distribution % by Majors 2013-14



2013-14 Enrollment Figures By Language Track

	German IEP		Spanish IEP	
Total # of Students Serviced by IEP	167		89	
• IEP Undergrads in COE (Declared EGR)	149*	89%	78**	88%
• IEP Undergrads Wanting Engineering	3	2%	3	3%
• IBP (International Business Program)	8	5%	8	9%
• ICSP (International Computer Science)	2	1%	--	%
• Other	2	1%	--	%
• Graduate (Dual Degree Masters TUBS/URI)	3	2%		

*Includes one GIEP/SIEP dual major

**Includes one SIEP/GIEP dual major

IEP Undergrads in COE (Declared EGR)	IEP #	% of IEP		IEP #	% of IEP
• Female	30	20%		22	28%
• Male	119	80%		56	72%
• Rhode Islanders	91	61%		48	62%
• Out of State	52	35%		20	26%
• Out of Country	1	1%		2	3%
• Regional	5	3%		8	10%
By Engineering Discipline*	IEP #	% of IEP		IEP #	% of IEP
• Biomedical	12	8%		9	12%
• Chemical	20	13%		6	8%
• Civil	11	7%		19	24%
• Computer	8	5%		2	3%
• Electrical	10	7%		7	9%
• Industrial & Systems	8	5%		2	3%
• Mechanical	68	46%		17	22%
• Ocean	7	5%		15	19%
• Undeclared B.S. in Engineering	6	4%		1	1%

*GIEP numbers include 1 ELE/CPE dual major.

Enrollment Figures By Language Track

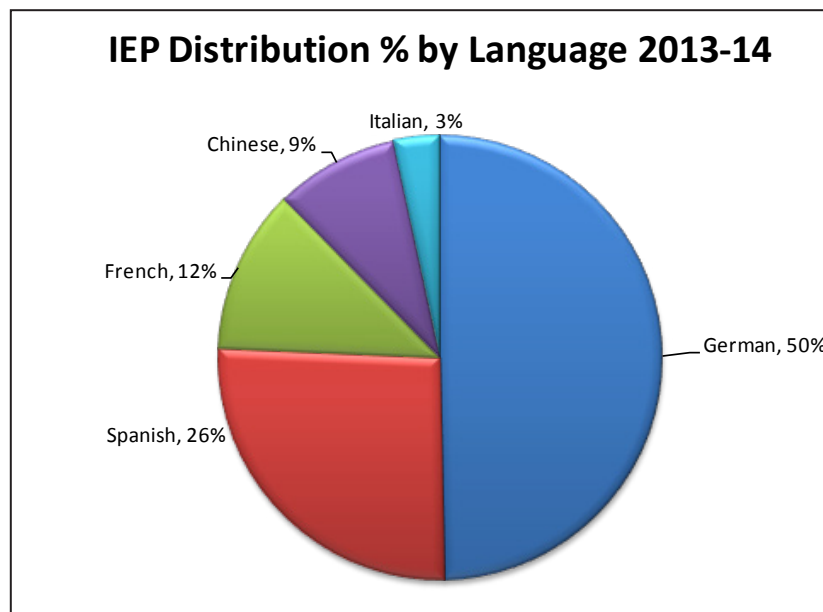
	French IEP		Chinese IEP	
Total # of Students Serviced by IEP	43		35	
• IEP Undergrads in COE (Declared EGR)	36	84%	27	77%
• IEP Undergrads Wanting Engineering	2	5%	--	%
• IBP (International Business Program)	4	9%	7	20%
• ICSP (International Computer Science)	1	2%	--	%
• Graduate (Dual B.S./M.S. ZJU/URI)			1	3%

IEP Undergrads in COE (Declared EGR)	IEP #	% of IEP	IEP #	% of IEP
• Female	15	42%	7	26%
• Male	21	58%	20	74%
• Rhode Islanders	22	61%	21	78%
• Out of State	9	25%	6	22%
• Out of Country	1	3%	--	%
• Regional	4	11%	--	%
By Engineering Discipline	IEP #	% of IEP	IEP #	% of IEP
• Biomedical	7	19%	4	15%
• Chemical	6	17%	4	15%
• Civil	1	3%	3	11%
• Computer	3	8%	6	22%
• Electrical	2	6%	2	7%
• Industrial & Systems	2	6%	--	%
• Mechanical	9	25%	6	22%
• Ocean	6	17%	2	7%
• Undeclared B.S. in Engineering	--	%	--	%

Enrollment Figures By Language Track

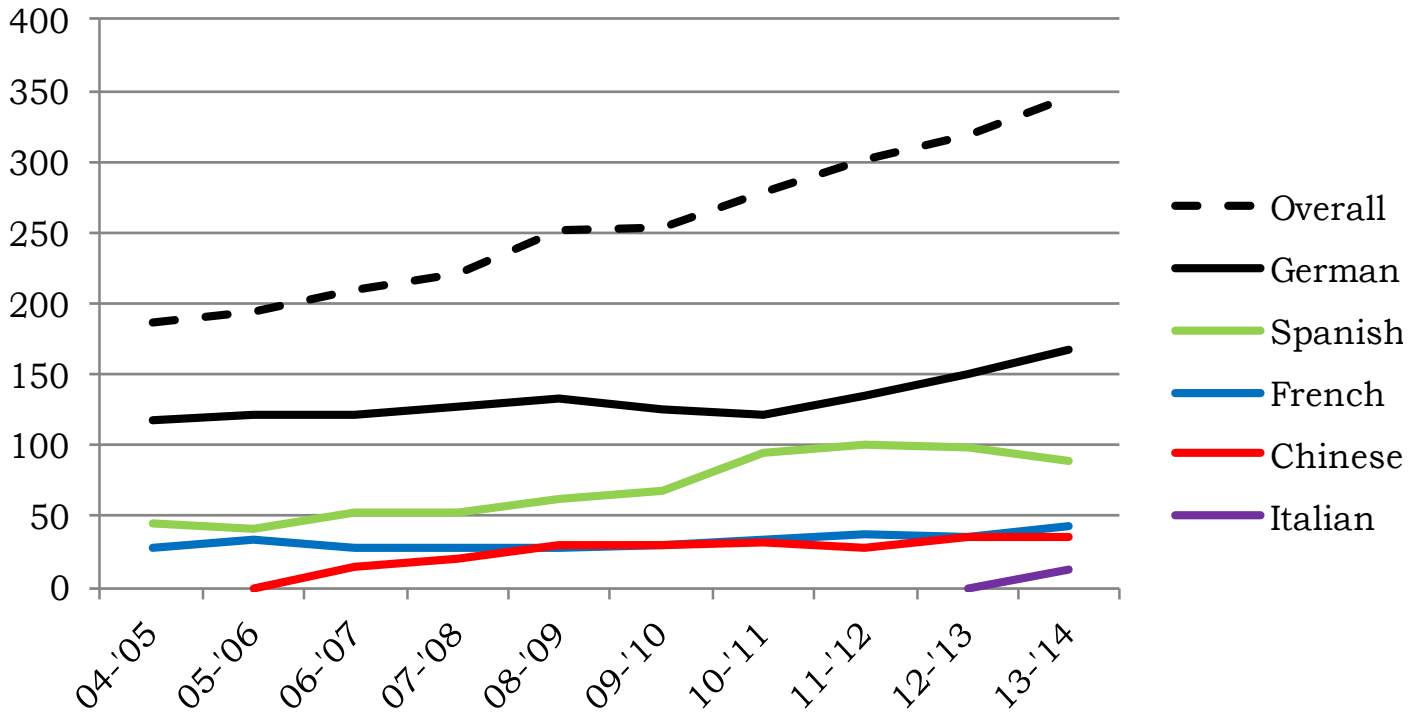
	Italian IEP	
Total # of Students Serviced by IEP	12	
• IEP Undergrads in COE (Declared EGR)	10	83%
• IEP Undergrads Wanting Engineering	1	8%
• IBP (International Business Program)	1	8%
• ICSP (International Computer Science)	--	%
• Graduate (Dual Degree Masters)	--	%

IEP Undergrads in COE (Declared EGR)		
• Female	4	40%
• Male	6	60%
• Rhode Islanders	5	50%
• Out of State	4	40%
• Out of Country	--	%
• Regional	1	10%
By Engineering Discipline		
	IEP #	% of IEP
• Biomedical	1	10%
• Chemical	--	%
• Civil	--	%
• Computer	1	10%
• Electrical	--	%
• Industrial & Systems	2	20%
• Mechanical	4	40%
• Ocean	1	10%
• Undeclared B.S. in Engineering	1	10%



Enrollment Figures A Closer Look

IEP Enrollment over the Past 10 Years



	'04-'05	'05-'06	'06-'07	'07-'08	'08-'09	'09-'10	'10-'11	'11-'12	'12-'13	'13-'14
Overall	187	194	210	222	253	254	278	300	318	345
German	118	121	122	128	133	126	121	135	151	167
Spanish	45	42	52	52	63	69	94	101	98	89
French	27	33	28	27	28	29	33	37	36	43
Chinese		0	14	20	29	30	31	28	35	35
Italian										12

2014 Internships

For the 2014 calendar year, 43 international internship placements were made by the IEP directors and staff. The following list shows where students completed these

China

1. Ben Howard	Fashion Power	Hangzhou*
2. Brian Kennedy	Insigma HengTian	Hangzhou*
3. Ashley Labrie	Insigma HengTian	Hangzhou*
4. Jessica Magill	Oakwood Asia	Hangzhou*
5. Christian Thorne	Oakwood Asia	Hangzhou*
6. Sarah Wood	Offshore Pipelines and Risers	Hangzhou
7. Alyssa Zisk	Tianjin Normal University	Tianjin

France

1. Hicham Benjelloun	CGG	Paris
2. Harrison Matthew	Enercap	Lyon
3. Jonathan Young	Toray Films Europe	Lyon

Germany

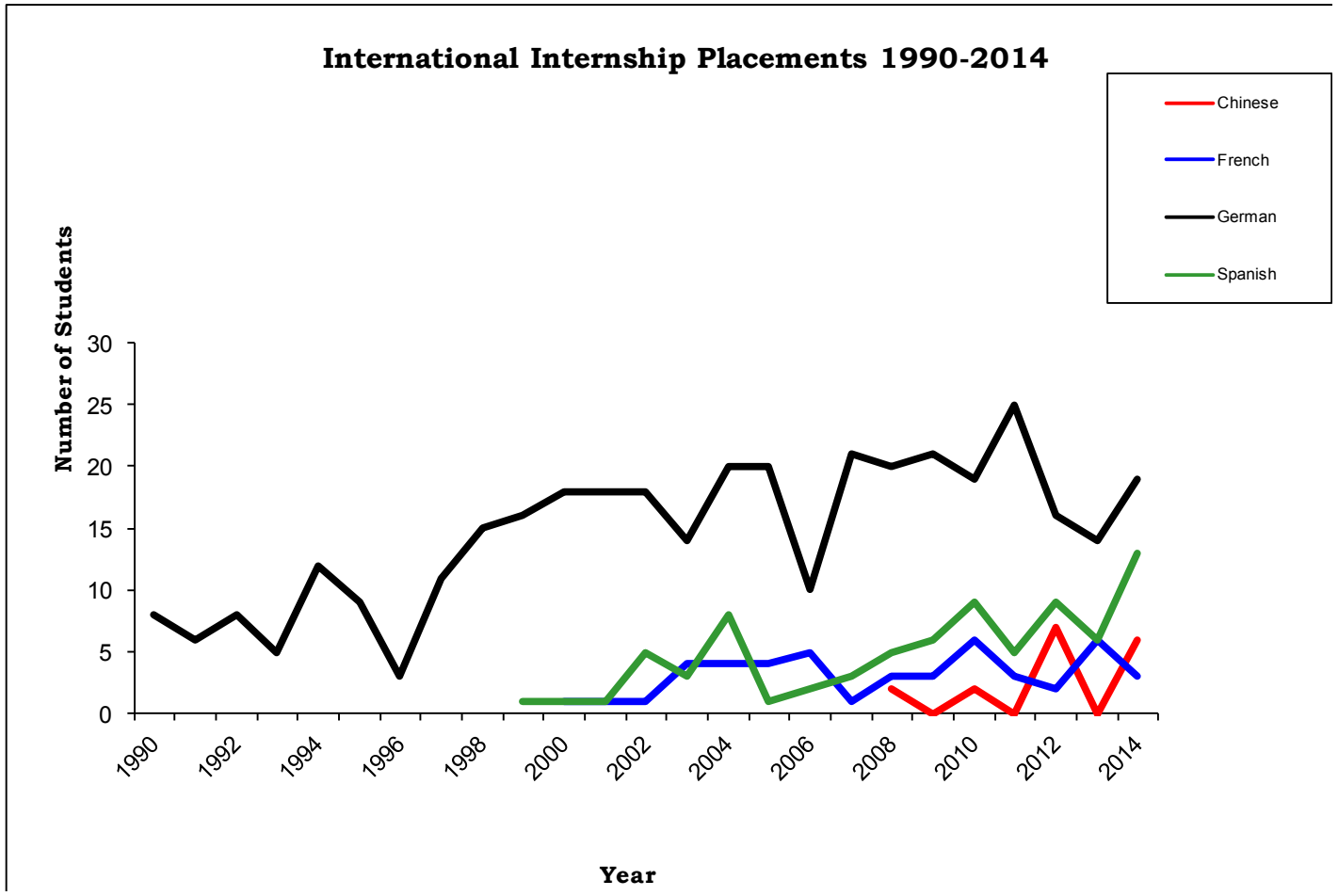
1. Jonathan Aguire	ZF	Friedrichshafen
2. Jordan Barlow	VW	Wolfsburg
3. Thomas Cottam	Bosch	Stuttgart
4. Steven Dupre	Vorwerk	Wuppertal
5. John Heaslip	ZF	Friedrichshafen
6. Daniel Kaehler	IAV	Gifhorn
7. Tabitha Koehn	Siemens	Erlangen
8. Eli Lamothe	AUDI	Ingolstadt
9. John Leach	VW	Wolfsburg
10. Kyle MacKenzie	Siemens	Munich
11. Ryan Michaels	Deutsche Bahn	Halle
12. Steven Pelletier	IAV	Gifhorn
13. Johann Prieto	KOB	Kaiserslautern
14. Anthony Ragusa	IAV	Gifhorn
15. Jacob Rooney	IAV	Gifhorn
16. Katherine Topp	LMU ArchäoBioCenter	Munich
17. Nicholas Zonfrillo	Siemens	Munich
18. Patrick Mullen	Beinbauer Automotive	Büchlberg*
19. Sarah Watson	Sky Deutschland	Unterföhring*

Spain

1. Kenneth Betzold	Novacare	Concepcion (Chile)
2. Nicholas Bodell-Kudla	ULPGC	Las Palmas de Gran Canaria
3. Michael Caneja	Samtack	Barcelona
4. Christopher Capuano	Hope Global	Leon (Mexico)
5. Julian Colona	SEAT	Barcelona
6. Luis De Cardenas	Indaber Ibiza	Ibiza
7. Nicholas Crowley	Ennera	Ibarra
8. Dana Demers	Vademecum	Madrid
9. Jason Dides	Indaber Ibiza	Ibiza
10. Kevin Drumm	Hope Global	Leon (Mexico)
11. Amandine Gatali	Geotecnia Ambiental	Valparaiso (Chile)
12. Erik Simpanen	Novacare	Concepcion (Chile)
13. Michael Smith	ULPGC	Las Palmas de Gran Canaria
14. Preston Steele	3P BIO	Noain

* Denotes IBP students who were placed in internships by IEP Directors and staff.

Internship Placements



	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11
German	8	6	8	5	12	9	3	11	15	16	18	18	18	14	20	20	10	21	17	23	19	25
French											1	1	1	4	4	4	5	1	3	3	6	3
Spanish										1	1	1	5	3	8	1	2	5	5	6	9	5
Chinese																		0	2	0	2	0
Yr Total			8	5	12	9	3	11	15	17	20	20	24	21	32	25	17	27	27	32	36	33
Cum	8	14	22	27	39	48	51	62	77	94	114	134	158	179	211	236	253	280	307	339	375	408

	12	13	14																			
German	16	14	19																			
French	2	6	3																			
Spanish	9	6	14																			
Chinese	7	0	7																			
Yr Total	34	26	43																			
Cum	442	468	511																			

Internship Partners 1990-2014

International and Domestic

3P Biopharmaceuticals (Noain)
Abengoa (Sevilla)
Aerodata (Braunschweig)
Agfa (Leverkusen, Gera)
Air Liquide (Jouy-en Josas-Cedex)
Air Nostrum (Valencia)
Apia XXI (Santander)
Applied Materials (Alzenau)
Astilleros de Santander A.S (Astander)
AUDI (Ingolstadt)
Aviso (Gera)
Axiva (Frankfurt)
BASF (Ludwigshafen)
Bayer (Leverkusen)
Bayer Technology Services (Shanghai)
Beinbauer Automotive (Büchlberg)
Beiersdorf AG (Hamburg)
Benteler (Paderborn)
Blaupunkt GmbH (Hildesheim, Germany)
BMW (Munich, New Jersey, South Carolina)
Böhringer Ingelheim Microparts (Dortmund)
Bruker Biospin (Wiessembourg)
B&J Adaptaciones (Barcelona)
CEIT (San Sebastián)
CGG (Paris)
Communication Technologies Research Group (Zaragoza)
Continental AG (Regensburg)
DaimlerChrysler (Stuttgart, NJ, MI)
Deutsche Bahn (Munich, Berlin, Minden, Kassel)
Draeger Medical (Lübeck)
Emitec (Lohmar)
ENERCAP (Lyon, France)
Ennera (Ibarra)
Ewag GmbH (Solothurn)
Experimentierstation Obstbau (Schlächters)
Fashion Power (Hangzhou)
Fatronik (San Sebastián)
Gamesa S.A (Bilbao)
General Motors (Zaragoza)
Geocéan (Marseille)
Geotechnia Ambiental (Valparaiso)
GKN Driveline (Zumaia)
Grupo de Ingeniería Oceanográfica y de Costas Universidad de Cantabria (Santander)
GTM (Batiment)
Hasbro (Hong Kong & Shenzhen)
Hexagon (Quingdao, Wetzlar)
HengTian (Hangzhou)
Hilti (Germany, Liechtenstein, Spain)
Hochtief (Essen, Hamburg)
Hope Global (Leon)
Hutchinson (Auxy)
IAV (Gifhorn)
IAVF Antriebstechnik AG (Karlsruhe)
Ibaia Energía (Beasain, Ibarra)
IDOM (Bilbao, Zaragoza)
Indaber Ibiza (Ibiza)
Infineon AG (Munich)
Infremer (LaRochelle)

Insigma HengTian (Hangzhou)
Instituto de Hidráulica Ambiental (Cantabria)
Johnson & Johnson (NJ, São Paulo)
King Marine (Valencia)
KOB (Kaiserslautern)
Kolbenschmidt Pierburg (Neckarsulm, Abadiano)
Kraft Foods (Munich)
KS Fototechnik (Wuppertal)
Leica Camera (Solms)
Lemförder AG (Spain, Germany, South Carolina)
LMU ArchäoBioCenter (München)
Lufthansa Technik AG (Hamburg)
Lur Geroa (Iruztzun)
LMS Imagine (a Siemens business) (Lyon)
MTU (Hanover, Munich)
Novacare (Concepcion)
Oakwood Asia (Hangzhou)
Offshore Pipelines and Risers (Hangzhou)
Osram Opto Semiconductors (Regensburg)
Pentair Electronic Packaging (Quingdao)
PolyIC (Fürth)
Praxair (Spain)
Preusse Baubetriebe GmbH (Hamburg)
Price Waterhouse (Frankfurt)
Renault (Guyancourt)
Rhodia (Clamecy, Lyon)
Robert Bosch GmbH (Stuttgart)
Robotiker (Zamudio)
Rhodia (Paris)
Saint-Gobain (Cavaillon, Avignon, Germany, MA)
Salzgitter AG (Salzgitter)
SAMTACK (Barcelona)
SAP (Karlsruhe, Montreal)
Schneider Electric (Montpellier, France)
Schroff GmbH (Straubenhardt)
SEAT (Barcelona)
Sensata Technologies (Aguascalientes, Changzhou)
Siemens (Munich, Erlangen, Madrid)
Sky Deutschland (Unterföhring)
State Key Laboratory for Chemical Engineering (Hangzhou)
Supfina (Rhode Island, Schapbach)
STMicroelectronics (Grenoble)
Tecnalia (Derio, San Sebastian)
Tennet Offshore (Lehrte)
Texas Instruments (Aguascalientes)
Tianjin Normal Univ., Materials Science Lab (Tianjin)
Thermochemical Processes Research Group (Zaragoza)
Toray Plastics (Lyon)
Total (Paris, Pau)
TRW (Alfdorf)
ULPGC (Las Palmas de Gran Canaria)
UniCredit (Hypovereinsbank) (München)
VAM/Becker Bau (Kiel)
Vademecum (Madrid)
VDO Automotive AG (Villingen)
Volkswagen (Wolfsburg)
Vorwerk & Co. (Wuppertal)
ZF (Germany, Spain, France, USA, Mexico, China)
Züblin AG (Stuttgart)

Note: Companies marked in bold are new this year.

Exchanges German IEP

Technische Universität Braunschweig

	URI to TU-BS	TU-BS to URI
AY 1995-96	5	5
AY 1996-97	9	9
AY 1997-98	13	12
AY 1998-99	14	12
AY 1999-00	15	16
AY 2000-01	13	13
AY 2001-02	20	25
AY 2002-03	15	15
AY 2003-04	21	16
AY 2004-05	21	16
AY 2005-06	12	14
AY 2006-07	24	14
AY 2007-08	22	13
AY 2008-09	24	22
AY 2009-10	25	14
AY 2010-11	28*	16
AY 2011-12	14	10
AY 2012-13	15*	12
AY 2013-14	20*	15
Total	330	269

Total # of Students Exchanged = 599

* Includes 2 dual-degree masters students
(Does not include short-term visitors.)

Exchanges French IEP

Université de Technologie de Compiègne

	URI to UTC	UTC to URI
AY 05-06	2	3
AY 06-07	2	3
AY 07-08	3	3
AY 08-09	4*	4
AY 09-10	6	3
AY 10-11	3*	6
AY 11-12	6*	3
AY 12-13	7*	3
AY 13-14	3	7
TOTAL # of Students Exchanged	36	35

* Includes other majors



Exchanges Spanish IEP

Universidad de Cantabria (Spain)

	URI to UC	UC to URI
AY 04-05	1	-
AY 05-06	-	-
AY 06-07	1	-
AY 07-08	2	-
AY 08-09	3	-
AY 09-10	2	1
AY 10-11	-	2
AY 11-12	3	2
AY 12-13	3	7
AY 13-14	3	2
TOTAL # of Students Exchanged	18	14

Universidad de Navarra-TECNUN (Spain)

	URI to TECNUN	TECNUN to URI
AY 02-03	1	-
AY 03-04	-	2
AY 04-05	-	2
AY 05-06	3	-
AY 06-07	-	1
AY 07-08	-	1
AY 08-09	-	1
AY 09-10	2	2
AY 10-11	3	-
AY 11-12	2	2
AY 12-13	-	1
AY 13-14	8	2
TOTAL # of Students Exchanged	19	14

Universidad de Zaragoza (Spain)

	URI to UZ	UZ to URI
AY 00-01	-	2
AY 01-02	2	2
AY 02-03	4	2
AY 03-04	-	3
AY 04-05	-	3
AY 05-06	-	-
AY 06-07	-	-
AY 07-08	-	-
AY 08-09	2	1
AY 09-10	5	2
AY 10-11	3	2
AY 11-12	4	4
AY 12-13	3	2
AY 13-14	2	3
TOTAL # of Students Exchanged	25	26

Tec de Monterrey (Mexico)

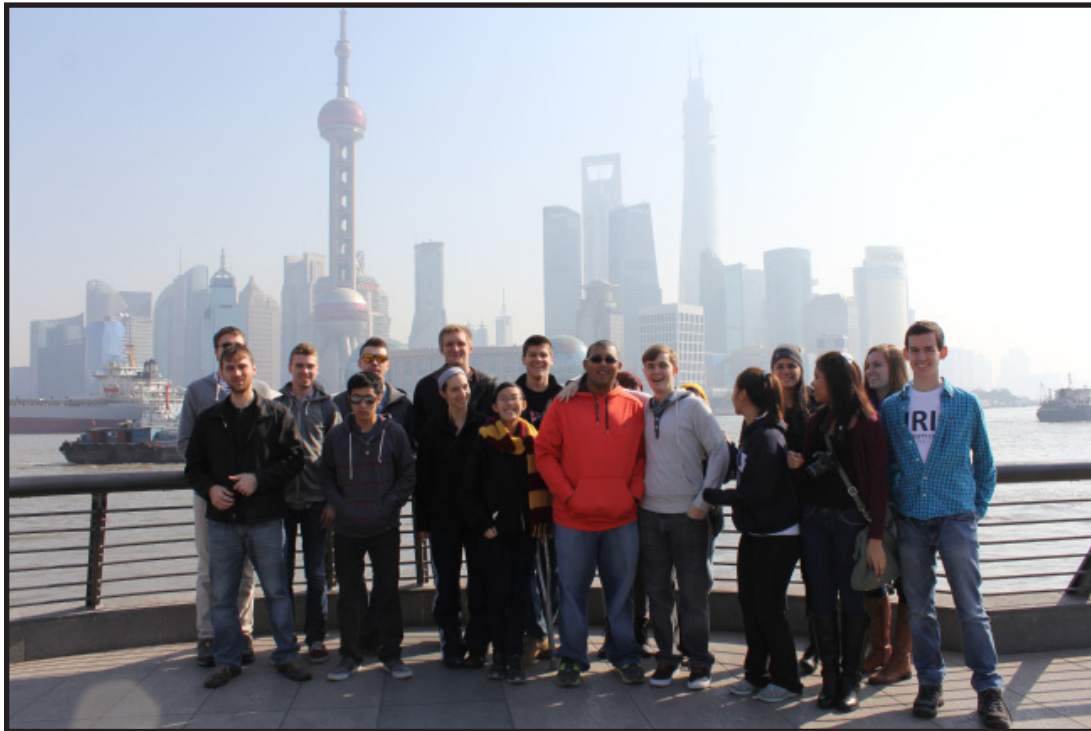
	URI to TEC	TEC to URI
AY 99-00	-	-
AY 00-01	1	2
AY 01-02	-	-
AY 02-03	3	1
AY 03-04	-	3
AY 04-05	-	-
AY 05-06	-	-
AY 06-07	1	-
AY 07-08	-	-
AY 08-09	-	-
AY 09-10	-	1
AY10-11	-	-
AY 11-12	-	-
AY 12-13	-	-
AY 13-14	-	-
TOTAL # of Students Exchanged	5	7

Exchanges Chinese IEP

Zhejiang University (Hangzhou, China)

	URI to ZU	ZU to URI
AY 06-07	-	-
AY 07-08	2	1
AY 08-09	-	-
AY 09-10	7*	8
AY 10-11	-	2
AY 11-12	8*	8
AY 12-13	1	-
AY 13-14	5	6
TOTAL # of Students Exchanged	23	25

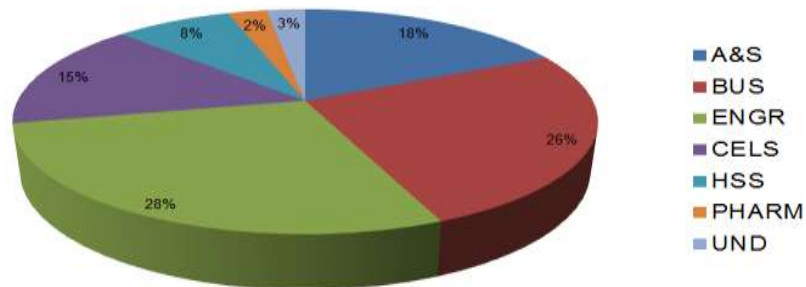
*Includes other majors



Chinese Language Flagship Partner Program Highlights

The URI Chinese Language Flagship Partner Program underwent a full program peer review in November 2013, and was officially promoted to a full Flagship Program in spring 2014. All Flagship Chinese courses are now offered through the University Honors Program and taught in a proficiency-based format with five class hours per week, including three days of lecture and two days of drills. This change has fundamentally altered the teaching quality of the URI Flagship program, and helped the program to attract more motivated students.

URI Chinese Flagship Program Students by College Fall 2013



We have doubled the number of IEP students in the 2013 Cohort as compared to the 2012 Cohort and have also increased the diversity in engineering majors.

IEP Chinese Flagship Scholars by Cohort (Year Entered)	Total
2009 Cohort: ELE	1
2010 Cohort: MCE (Currently completing Capstone Year in China)	1
2011 Cohort: N/A	0
2012 Cohort: BME, CVE, MCE	3
2013 Cohort: BME (2), CHE, CMP (3), CVE	7

Awards

The first IEP Chinese Flagship Scholar Alyssa Zisk is currently completing the Flagship Capstone Year in China in 2013-14, including a semester of direct-enrollment at Tianjin Normal University and a professional internship. Alyssa was awarded the **Wroe Family Scholarship** and a **Flagship Capstone Scholarship** this year. Alyssa is pursuing a B.S. in Mechanical Engineering, an M.S. in Mathematics, and a B.A. Chinese.

Four IEP Chinese Flagship Scholars were awarded **Hasbro Scholarships** for their studies at Zhejiang University during Winter 2013 and/or in Flagship-approved summer programs in China and Taiwan during Summer 2014:

- Rachel McAteer, Biomedical Engineering & Chinese
- Minh Pham, Civil Engineering & Chinese
- Pedro Raposo, Mechanical Engineering & Chinese
- Alex Jenkins, Chemical Engineering & Chinese

Graduates

December 2013 - August 2014

German (16)

Christopher Bessin
Lauren Boltz
Whitney Clark
Nicholas Delgreco
Brian Grenon
Stephen Iwuc
Christina Liese
William Machado
Paul Pabon
David Powers
Alexander Pryor
Anthony Ragusa
Emily Serman
David Spader
Farid Topchiev
Aaron Zarenski

French (6)

Kayla Belanger
Christian Faria
Michael Gardner
Benjamin Jacques
Zachary Lorusso
Edward Thomas

Spanish (5)

John Adley
Maria Briones
Brad Clark
Richard Higginbotham
Alec Kaija

Chinese (2)

Christian Marks
Sarah Wood

IEP Graduates through 2014: 423

German: 312

French: 42

Spanish: 60

Chinese: 9

Other graduates serviced by the IEP in 2013-2014

German (1)

Kareem Hartl, IBP

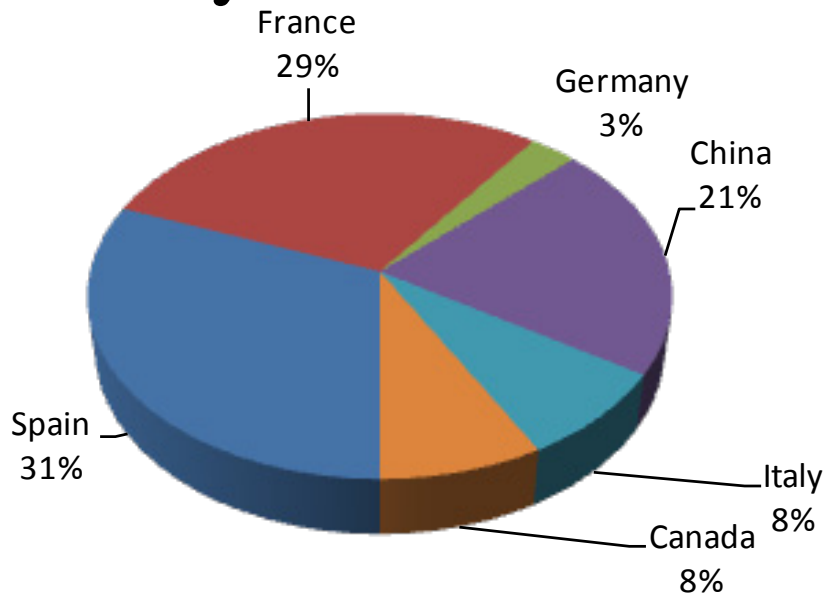
Chinese (4)

Melissa Holdgate, IBP
Brian Kennedy, IBP
Ashley Labrie, IBP
Ben Howard, IBP

Heidi Kirk Duffy Center Facts and Figures IEP and TI Houses

This academic year, the IEP Living Learning Community was home to 38 international students from countries around the world. This is our largest number of international residents to date. These students help our American IEP students become familiar with the languages and cultures they will be immersed in when they study abroad their 4th year.

International Student Population at the Heidi Kirk Duffy Center 2014



Cost Comparison of Living at the Heidi Kirk Duffy Center 2013-2014

Room & Board Fees (based on a 15 meal/week meal plan)

	IEP & TI House	Women's Center	Engineering LLC
<i>single</i>	\$5,600	\$5,750	N/A
<i>double</i>	\$5,250	\$5,250	\$5,664

Note: The Engineering Living/Learning Community is a part of Housing and Residential Life at the University. The cost to live there includes a meal plan with unlimited visits to the dining hall.

Cumulative Honor Roll

(as of May 1, 2014)

Over \$500,000

Heidi Kirk Duffy

\$150,000 - \$500,000

ZF Friedrichshafen AG
Annette Kade Foundation
Max Kade Foundation
Van Meeteren Foundation
Texas Instruments
Hasbro, Inc.
Sensata Technologies

\$75,000 - \$150,000

TRW Corporation
Praxair, Inc.
Thomas Wroe, Jr.

\$25,000 - \$75,000

Schroff, Inc.
Brown & Sharpe Manufacturing Co.
Bacou USA
Hilti AG
Siemens Corporation
William and Pauline Silvia
Tonya McBride
Robert C. and Judith A. Ayotte
Boxer Family

\$2,000 - \$25,000

Deutsche Bahn
Hexagon Metrology Inc.
W&H Corporation
BMW Manufacturing Corp.
Supfina Machine Co. Inc.
Lufthansa German Airlines
Frank and Lynn Curtin
Ewag Corporation
Draexlmaier Automotive of America
Joseph O'Hearn and Barbara Brusini
Pentair, Inc.
James Hopkins
John and Carol Grandin
Gabriel Lengyel
Richard Vandeputte
Rick D'Ambrosca
Vincent DiPippo
Patrick Tunney
Sigrid Berka/Thomas Kniesche
Walter Giraitis
Michael Byrnes
Laurie Burger
Hubertus Christ

Dissemination

Publications Related to International Engineering Education:

Berka, S., von. Reinhart, W. (2014) "Integrating Study, Research and Internships Abroad for a Year-long International Engineering Program," in Proceedings of the 2014 ASEE Annual Conference, Indianapolis, IN, forthcoming, June 15-18.

Berka, S., Papa, E., von Reinhart, W. (2013) "Is the International Engineering Program Producing Graduates for the Rhode Island Workforce? Do the Skill-Sets They Perceive to Have Gained Match Business Needs?" Proceedings of the ASEE Annual Conference International Forum, Atlanta, GA, June 22.

Brownell, W. "Op-Ed: A Winning Combination for Achievement and Success," Discourse, Newsletter of The Language Flagship (Spring 2014): 3

De Bruin, K., Erickson, L., Hammadou, J. "A Meaningful French Education: Experiential Learning in French," The French Review 87.3 (2014): 65-78.

Echevarría, M. (2014) "Preparing Engineers for Global Challenges: Engaging with Chile through the 100,000 Strong in the Americas Initiative." Proceedings of the ASEE International Forum, forthcoming, June 14.

Erickson, L. "Developing Engineering Internships in France." Global Business Languages. 18 (2013): 55-66.

Grandin, J., Berka, S. "The University of Rhode Island International Engineering Program: A Model for Globalizing the STEM Disciplines, a research paper posted on the website of The Internationalization of U.S. Education in the 21st Century: The Future of International and Foreign Language Studies, A Research Conference on National Needs and Policy Implications, Williamsburg, VA., April 11-13, 2014.

Grandin, J., Berka, S. "Reforming American Higher Education: The University of Rhode Island International Engineering Program," ADFL Bulletin vol. 43.1 April 2014.

Presentations and Outreach Related to International Engineering Education:

Berka, S. "Increasing International Mobility through Dual Degree Graduate Programs at the University of Rhode Island," Plenary Session V - "International Education and Mobility" at the Northeastern Association of Graduate Schools Annual Conference, Toronto, Canada, April 25-26, 2014.

Berka, S., von. Reinhart, W. "Integrating Study, Research and Internships Abroad For A Year-Long International Engineering Program," ASEE Annual Conference International Division, Indianapolis, IN, June 15-18, 2014.

Dissemination

Berka, S. “The University of Rhode Island International Engineering Program: A Model for Globalizing the STEM Disciplines,” panel on “International and Foreign Language Education and the Internationalization of Professional and STEM Education,” Internationalization of U.S. Education in the 21st Century: The Future of International and Foreign Language Studies, A Research Conference on National Needs and Policy Implications, April 11-13, 2014, Williamsburg, VA.

Berka, S., Testimony on the need for a Language Coordinator position in the Governor’s budget and the IEP as a program with significant investment in Rhode Island economic development, Senate Finance Committee, RI State House, March 2014.

Berka, S. Testimony for the need to create the position for a Language Coordinator in the Governor’s budget to lead implementation of dual language immersion programs K-12 in the state. This effort would provide a steady pipeline to the IEP, a program with significant investment in the Rhode Island Roadmap to Language Excellence in Rhode Island, RI Board of Higher Education, Cranston Career and Technical Center, Cranston, RI, November 2013.

Berka, S. “Transfer Plan Agreements from Community Colleges to URI’s International Engineering Program,” on the panel “Skills Development and Practical Experience,” and “Getting Started with International Engineering Programs,” in the “Getting Started Workshop,” 16th Annual Colloquium on International Engineering Education, Nov. 6-8, Lexington, KY 2013.

Echevarría, M., Pérez Ibáñez, I. “Connecting Spanish and Engineering.” ACTFL Annual Convention and World Languages Expo (Orlando, November 2013).

Erickson, L. “French for Ocean Engineering: A Process for Developing Objective-Specific Materials.” Sixteenth Annual CIBER Business Language Conference, Park City, UT. April 24, 2014.

Geithner, A. organized a DAAD sponsored workshop for German faculty from U.S. departments on how to integrate STEM subjects in the German classroom, December 13, 2013, University of Rhode Island.

Grandin, J. “URI’s International Engineering Program: Bridging the Gap between Technology and the Humanities,” at Symposium on Advancing Global Dialogue and Initiatives through Experiential Learning, Brigham Young University, College of the Humanities, January 30-31, 2014.

Grandin, J., “The University of Rhode Island International Engineering Program: Reflections after Twenty-Five Years,” presented at the Osher Lifelong Learning Institute, University of Rhode Island, February 20, 2014.

Grandin, J. “Merging Languages with Engineering; The University of Rhode Island Model,” keynote address at The Second International Symposium on Languages for Specific Purposes, April 18, 2014, University of Colorado, Boulder, Colorado.

Grandin, J. Testimony on the role of IEP in the Rhode Island Roadmap To Language Excellence, and State Economic Development, RI House Committee on Finance, RI State House, March 2014.

Dissemination

Grandin, J. chaired session on “International and Foreign Language Education and the Internationalization of Professional and STEM Education” at The Internationalization of U.S. Education in the 21st Century: The Future of International and Foreign Language Studies, A Research Conference on National Needs and Policy Implications, College of William & Mary, April 11-13, 2014.

La Luna, M. directed the URI Summer Program in Calabria, Italy and organized and moderated “Incontro con Dacia Maraini.” [“Meeting with Dacia Maraini.”], Collegio di Sant’Adriano, Italy, July 2, 2013.

La Luna, M. Romanow, R., Bergstrom, R., “URI Sees the World Through the Camera: Student Filmmakers Overseas,” University of Rhode Island – Diversity Week, Multicultural Center, Hardge Forum (Rm. 101), October 2, 2013.

La Luna, M. organized and directed the “New England Italian Film Festival: Italian Film in the New Millennium.” In conjunction with the Italian Consulate of Boston, Harvard University, Assumption College, University of Massachusetts Amherst, and University of Massachusetts Boston, the University of Rhode Island, October 2013.

Papa, E. Testimony on the need for a state language coordinator to lead in the effort in implementing dual language immersion programs K-12 in the state as recommended by the “Rhode Island Roadmap To Language Excellence,” RI Board of Higher Education, Cranston Career and Technical Center, Cranston, RI, November 2013 and at the RI House Committee on Finance, RI State House, March 2014.

Papa, E., Price, H. “What They Need When: A Timeline for Language Program Community-Building.” Northeast Conference on the Teaching of Foreign Languages (NECTFL). Marriott Copley Place Hotel, Boston, MA. March 29, 2014.

Papa, E., Price, H. “Niche Program Showcase: The Flagship Engineer: URI’s Chinese IEP Niche.” 16th Annual Colloquium on International Engineering Education. University of Kentucky. Hilton Hotel, Lexington, KY. November 7, 2013.

Papa, E., Steverman, S. (2013, October). “Raising the Profile of the World Language Department in Your District.” Rhode Island Foreign Language Association (RIFLA) Fall Conference, West Greenwich, RI.

Price, H. Workshop panelist. “University of Rhode Island’s International Engineering Program Living and Learning Community” and “University of Rhode Island’s International Engineering Program Outreach.” Getting Started in International Engineering Education Pre-Conference Workshop. *16th Annual Colloquium on International Engineering Education.* University of Kentucky. Hilton Hotel, Lexington, KY. November 6, 2013.

Rarick, D. “MINT im Deutschunterricht: Methoden und Technologien,” National DAAD Professional Development Workshop for German Faculty, University of Rhode Island, Kingston, Rhode Island, December 13-15, 2013.

Rarick, D. provided the presentation (delivered by S. Berka) for the Post-Colloquium Workshop on “How to Develop Language Programs for Engineering Students,” at the 16th Annual Colloquium on International Engineering Education, Nov. 6-9, 2013 Lexington, KY.

Dissemination

Rarick, D., “2013 Report on German for Professional Purposes,” German for Professional Purposes (Professional Focus) Panel, AATG Annual Meeting and ACTFL Annual Convention and World Languages Expo, Orange County Convention Center, Orlando, Florida, November 23, 2013.

Rarick, D. “Deutsch für die berufliche Kommunikation.” White Paper Working Group, Goethe Institute, Chicago, Illinois, October 2013. All expenses grant from the Goethe Institute Chicago.

Rarick, D. “Deutsch für Fachrichtungen Mathematik, Informatik, Naturwissenschaft, und Technik (MINT),” Goethe Institute, Center for International Education, Northern Arizona University, Flagstaff, Arizona, September 2013.

Taylor, A. Testimony on the need for a multi-lingual work force in RI for globally operating companies like Hexagon Metrology, seen from the perspective of the company’s C.E.O., RI Board of Higher Education, Cranston Career and Technical Center, Cranston, RI, November 2013 and at the Senate Finance Committee, Providence, April 2014.

Xiong, W. (2014). “The Semantic Acquisition of the Chinese Modal Auxiliaries Neng Verb Group---- A Cross-Sectional Study,” at the Fifth International Conference on Chinese Linguistics and Chinese Language Instruction, Columbia University, New York, May 22-24.

Xiong, W. (2013). Participation on the panel: Perspectives and Practices on Vocabulary Teaching and Learning in Chinese, at the 2013 annual conference of the American Council on the Teaching of Foreign Languages (ACTFL), November 22-24. Orlando, FL.

Xiong, W. (2013). “Thresholds of Oral Proficiency: Assessing and Teaching” at the 2nd NECLTA Annual International Conference at the University of Rhode Island, Oct. 5. Kingston, RI.

Student Awards and Honors

DAAD Undergraduate Scholarship

Joseph Rocchio

Beatrice S. Demers Foreign Language Fellowship

Ian Calise (GIEP)

Arielle De Souza (FIEP)

Mike Ferrari (CIBP/Flagship)

Alex Giannankos, Dual Masters TUBS/URI

Lucas Hanson (GIEP)

Amanda Junkins (FIEP)

Paul Kintz (GIEP)

Ian Mace (GIEP)

Norman Ross (SIEP)

Joe Sullivan (GIEP)

Elizabeth Wynn (GIEP)

Otto Dornberg Award

Ian Calise

Paul Kintz

Excellence in French Studies Award

Kayla Belanger

University Academic Excellence in German

David Powers

Barbara Woods Memorial German Studies Award

Erik Pelletier

Waseem Rasheed

Elizabeth Stevens

Frank L. Woods Memorial Scholarship

Alex Giannankos

John Paquet

Joseph Rocchio

Mexican Consulate Book Award

John Adley

Chinese Book Award

Alexander Jenkins

Quang Le

Hasbro Chinese IEP Scholarship

Samuel Browne

Christopher Clarkin

Rachel McAteer

Pedro Raposo

Minh Pham

Alexander Jenkins

Matthew Freeman

Zachary Tiang

Alex Lam

Sam Leblanc

Shanghai Municipal Government Scholarship for Summer Studies

Matthew Freeman

Alex Lam

To align with the College of Engineering fiscal timeline for awarding scholarships the following IEP scholarships will be designated in Fall 2014: John M. Grandin Scholarship, Judith A. and Robert Ayotte Scholarship, Sharon Wallace Memorial Scholarship, Shawn P. McBride Scholarship, William F. and Pauline Silvia Scholarship, and Wroe Family Scholarship.

Awards/Recognitions/Promotions

Megan Echevarria was the PI (with **Vinka Craver** and **Sigrid Berka** as Co-PIs) of a winning proposal for President Obama's 100,000 Strong in the Americas Initiative. The highly selective \$50,000 grant will enable Spanish IEP students to intern, do research, and study abroad in Chile in 2014-15. It also allows for Megan to develop a new course for the Fall on "Innovations in Sustainability" as part of the Grand Challenges courses for freshmen. The course will be geared towards incoming SIEPers and taught in Spanish. Vinka Craver, Associate Prof. of Civil Engineering will work with a group of younger SIEP students on sustainability projects in collaboration with faculty and students from our new partner university in Valparaiso. The 6-credit Study Tour to Chile is scheduled for August 2014.

Lars Erickson was promoted to Full Professor of French and served as external reviewer of the French Department at SUNY Brockport in April 2014.

Norbert Hedderich served as external reviewer for the World Languages Department at the University of Arkansas, Fayetteville, AK and is also an Editorial Board Member for DIMENSION (Conference Proceedings for SCOLT - Southern Conference on Language Teaching).

Michelangelo La Luna was promoted to Full Professor of Italian, and was also the recipient of the International Award "*Messaggeri della Conoscenza*" [*Messengers of Knowledge*] given by the Italian Ministry of Education, Research and Universities, Rome, Italy. Topic "Italian Immigration to the US." The grant was highly competitive because any Italian faculty working outside of Italy could apply for it. Most of the \$52,500 will be used to educate students of the University of Calabria in the American system, so that they can become "Messengers of Knowledge" for their peers. Three students from UNICAL came to URI in Spring 2014 to complete their research under La Luna's supervision on the topic of immigration, particularly within the Calabrese-American community of Westerly, RI. They offer a unique opportunity for our students to interact and work together with native Italian speakers.

Angus Taylor received the Norma Garnet Advocacy Award from RIFLA (the Rhode Island Foreign Language Association) for his advocacy for foreign language education in Rhode Island on May 8, 2014 at the URI U-Club.

Wen Xiong secured two scholarships from the Shanghai Municipal Government designated for CIEP students to study for four weeks at Shanghai University.

IEP Outreach Update 2013-2014

Overview:

This year, IEP staff, directors, and student ambassadors welcomed over 100 freshmen at an IEP New Student Orientation Meeting in the fall, held at the IEP House. Freshman IEPers were also invited to join a class Facebook group as a way to build community, and to keep students updated and involved in program happenings.

Four student ambassadors, along with IEP directors and staff, attended URI on-campus events throughout the year, including EGR 105 class visits, computer science class visits, Study Abroad Fair, Majors and Minors Fair, Open House Days, Welcome Days, and IEP Night at the Engineering Living & Learning Community. Student ambassadors also attended pre-departure meetings for students going abroad, and created German IEP and Spanish IEP handbooks to advise future generations of IEPers on the year abroad.

School Visits and College Fairs Completed:

McCaskey East High School	Lancaster, PA	Heather Price, Erin Papa, Xiaoyan Hu
Sewickley Academy	Sewickley, PA	Heather Price, Erin Papa, Xiaoyan Hu
Upper St. Clair High School	Upper St. Clair, PA	Heather Price, Erin Papa, Xiaoyan Hu
Columbus Academy	Gahanna, OH	Heather Price, Erin Papa, Xiaoyan Hu
Shaker Heights High School	Shaker Heights, OH	Heather Price, Erin Papa, Xiaoyan Hu
Nashoba Regional High School	Bolton, MA	Heather Price, IEP Student Ambassador
Classical High School	Providence, RI	Sigrid Berka, Lars Erickson, Alexis Gonzalez
Narragansett High School Career Fair	Narragansett, RI	IEP Alums
Norwood High School Career Fair	Norwood, MA	IEP Alums
Be An Engineer Expo at White Plains High School	White Plains, NY	Heather Price, IEP Student Ambassador
All-County Architecture, Biomed & Engineering Fair at Academy of Info Tech and Engineering	Stamford, CT	Heather Price, IEP Student Ambassador
Regis High School	New York, NY	Sigrid Berka
Glastonbury High School Career Fair	Glastonbury, CT	Erin Papa
Wakefield Rotary Club	Wakefield, RI	Lars Erickson
Colloquium on International Engineering Education at University of Kentucky	Lexington, Kentucky	Sigrid Berka, Heather Price, IEP Student Ambassadors

IEP Outreach Update 2013-2014

Prospective Student Visits:

This year, we prepared personalized visits to the IEP for approximately 20 prospective students and their families, traveling from Rhode Island, Massachusetts, Connecticut, New York, Pennsylvania, Maryland, Florida, Colorado, and California. These visits typically include a full day of campus tours, General Admission/College of Engineering info sessions, engineering and language class visits, meetings with IEP directors and staff, and lunch with current students in the TI House dining room. We routinely receive feedback (such as the message below) asserting that our coordinated visits are unmatched by other institutions, and expressing thanks for the time and attention we grant each visitor to the IEP, as well as indicating the visit's strong impact on the student's choice to apply to or attend URI.

Message from the father of prospective student who visited the French IEP in February 2014:

Hi everyone,

We just wanted to thank each of you for the valuable time you took from your day to inform & educate us on "The Program". I don't believe it is "standard college practice" to grant the amount of attention to a potential applicant that you gave us during our visit this past Tuesday. Eight years ago when our oldest son was touring campuses, we visited a number of colleges including Northeastern, UMass, Merrimac, & Tufts, and although those visits were well organized & informative, they didn't come close to what we experienced at URI.

Heather's introduction/overview was welcoming & informative. The detailed program description that Lars presented us with was enlightening & extremely impressive. Thank-you Lars for conversing in French with my daughter Lindsay – it was one of our highlights. Also, it was fantastic for Lindsay to have a discussion with your "super-senior", Kayla, who gave Lindsay some "true experience/real world" information! And the "living experience" explained by Angela would comfort any anxious parent. You were all Professional, Personable & Informative.

As you can tell, as far as I'm concerned, our college search is done! This was Lindsay's first college visit, & to be fair to her we will visit other campuses. You folks set the bar extremely high, & these other visits will give her an opportunity for comparison which will show her just how special the IEP is. I assume & hope my daughter's first choice will be the IEP Experience, you know it's mine.

It was very special & greatly appreciated.

APPENDIX

Commencement 2014: URI senior on quest for clean water for those without it

Media Contact: Todd McLeish, 401-874-7892

May graduate to enter Peace Corps, grad school

KINGSTON, R.I. – April 18, 2014 – When Maria Briones visited Guatemala with the University of Rhode Island student group Engineers for a Sustainable World, she was heartbroken by the difficult circumstances the poor residents faced due to a lack of clean water. It was a turning point in her life, an experience that convinced her to make the provision of clean water a career goal.

As she prepares to graduate from URI in May, Briones is ready to follow her calling, beginning with graduate school and a stint in the Peace Corps.



“That trip to Guatemala impacted me a lot personally, to see so many people who lack this basic human right: access to proper sanitation and clean water,” said Briones, who grew up in Cranston and Johnston. “I understand the technical side of the issue and the health-related aspect, and I know I can help these people on a personal level.”

Briones went to the highlands of Guatemala in 2011 with URI Associate Professor Vinka Craver as part of an effort to build an onsite wastewater treatment facility for a school in the poor village of San Mateo Ixtatan.

“It was a bit of a culture shock to see their circumstances, but it showed us the reality of why we were there,” she said. “There was a lot of personal growth, too, because I got to run a workshop for the kids in the school, and it motivated me to keep going and work on more of these projects.”

For Briones, the quest to deliver clean water is personal. Her family immigrated to the United States from Ecuador when she was a baby. Although she has known only a lifestyle in which toilets always flush and clean water always flows from the tap, she frequently thinks of her extended family in South America who views such plumbing as luxuries.

“That could have been me,” Briones says.

A civil engineering and Spanish major, she spent a year in Spain as part of the URI International Engineering Program, studying at the University of Cantabria and interning at a nearby research institute, where she spoke only Spanish, a language she never learned growing up despite her Ecuadorian roots.

“At first I was very self-conscious, especially about my accent, so it took me a little while to feel comfortable with it,” she said. “But I improved a lot, especially when I was interning and

Commencement 2014: URI senior on quest for clean water for those without it
(continued)

In her internship, Briones developed computer simulations of aeration tanks at wastewater treatment facilities to optimize their operation.

“It was really interesting and very, very difficult,” she admitted. “It’s all about fluid mechanics, which I didn’t know a lot about. And learning the technical aspect of it in a different language was really difficult. My mind was working in overdrive to understand it all.”

Apart from the classes and internship, Briones said her experience in Spain met all her expectations. “I was living in the Basque country, which is extremely rich in culture. The language, the people, the traditions are so unique, and everyone I met was excited to teach me about it.”

Back at URI, Briones became president of the University’s chapter of Theta Tau, a professional engineering fraternity, conducted research to measure the greenhouse gases emitted from wastewater treatment plants, served as an ambassador to foreign exchange students, and planned her next steps.

She hopes to enroll in a master’s degree program in environmental engineering at the University of South Florida next fall and then enter the Peace Corps, where she will complete her degree.

And then?

“Maybe I’ll work for a government agency like the Environmental Protection Agency or a global institution like the U.S. Agency for International Development,” she said. “Or maybe I’ll establish my own organization that has to do with developing water technologies to help people get access to drinking water.

That’s my dream.”

<http://www.uri.edu/news/releases/index.php?id=7035>

Commencement 2014: URI senior aims for career designing products with ‘comfort’ in mind

Media Contact: Todd McLeish, 401-874-7892

Cumberland resident is URI’s top German language student

KINGSTON, R.I. – April 18, 2014 – University of Rhode Island senior Dave Powers describes himself as “a very tactile sort of person” who feels at ease with complex math and science. As he prepares to graduate in May with degrees in mechanical engineering and German, he looks forward to putting his tactile abilities to work in the field of ergonomics, designing consumer products with the comfort of the end user in mind.



“I like to tell people that I don’t want to make the motor of a car, I want to make the seats,” said Powers, a Cumberland native. “I think it’s more interesting to make something that has to account for the human; it’s more interesting to design something that is really focused on the user. When the average person uses a product, how easy is it for them to understand what’s going on? Do they have to read the manual or can they just do it?”

Powers carried that user-focused perspective throughout his URI career, especially in his German language education. The recipient of the University Award for Excellence in German, he quickly developed proficiency in speaking German and eventually became a German tutor and chaperoned a student trip to Germany with two URI professors.

“I took German 101 and after one semester I could speak more than after four years of French in high school,” Powers said. “It just seemed to click.”

He spent a year in Germany as part of the URI International Engineering Program, studying at the Technical University at Braunschweig and interning at rail company Deutsche Bahn. And while he was there, he enrolled in a Goethe Institute class in German and passed a high-level exam demonstrating his proficiency and fluency. One professor said he “absorbed German language and culture like a sponge.”

“I really loved that year in Germany. I got to travel to a lot of places, I met some people who I’m still in touch with, and I learned a lot of interesting things, including some skills that I didn’t expect,” he said. “If you want to learn to be better at small talk, networking or giving presentations, try doing them in a different language. That made it so much easier to do

Commencement 2014: URI senior aims for career designing products with ‘comfort’ in mind *(continued)*

At Deutsche Bahn, Powers worked mostly on computer modeling of train systems, and he followed that up with an internship at the Rhode Island offices of Supfina Machine Co., a company he calls “half American, half German” that builds superfinishing machines for clients like General Motors.

But Powers’ college career wasn’t all work and no play. He also played saxophone in the URI Big Band for two years and competes on the URI ultimate Frisbee team, which traveled throughout the region and as far as Florida and Georgia to compete against other universities.

With just a few weeks before he graduates, Powers is focused on the next steps in achieving his career goals. He is deciding between several graduate schools to which he has been accepted for master’s degree programs in industrial engineering, and he eventually will seek a job in the ergonomics field.

“I’ll be taking some psychology classes and biomechanics classes so I can design products that incorporate how people think and how we move,” he said. “Whether I end up designing keyboards or chairs or whatever, I just want to make things that work the way you want them to.”

<http://www.uri.edu/news/releases/index.php?id=7035>

2014 J-Term to Germany



The German IEP was among the first programs on campus to organize a 1-3 credit faculty-led January term travel course in the form of a study tour to Germany. We took a group of 25 URI students to Berlin, Hamburg, Braunschweig, Wolfsburg, Wuppertal, and Köln from January 6-18, 2014. We raised close to \$50,000 in external funding from Van Meeteren Foundation, Max Kade Foundation, and the DAAD to award participating students \$2,000 scholarships each.

Professor Anett Geithner, DAAD Lecturer in German at URI, Sigrid Berka, and graduating senior David Powers served as trip chaperones. Preceding the study tour, Professor Damon Rarick offered a four-day language immersion unit on campus to prepare the group. The novelty of this year's study tour was in the J-term course framework. Anett Geithner created a blog platform and developed assignments for student groups, who worked on individual video projects and company descriptions, and kept a daily journal. You can see the results on the Study Tour's blog site: <http://uristudienreise2014.wordpress.com/>.

We visited companies such as Daimler and Deutsche Bahn in Berlin, Lufthansa Technik in Hamburg, VW in Wolfsburg, Vorwerk in Wuppertal, and Bayer in Leverkusen, as well as three different research labs at TU Braunschweig and at the AutoUni. In addition, we introduced students to the cultural side by visiting museums such the Hamburger Bahnhof Museum of Contemporary Art in Berlin, and the International Maritime Museum and "Miniatur Wunderland" Modelleisenbahnausstellung in Hamburg. A highlight this year was a guided tour through the German parliament and a visit to the Reichstagskuppel, as well as an excellent lecture by IEP advisory board member Rolf-Dieter Schnelle, head of the "Sachverständigenrat deutscher Stiftungen für Integration und Migration (SVR) GmbH" on the challenges and opportunities of immigration and integration in Germany.



The majority of students participating in the tour are enrolled in the International Engineering Program, but we also had students in business, animal science, and kinesiology. To be able to offer such a study tour for our hardworking students is invaluable! This is such a unique preparation for their year abroad later on that we will offer the J-term tour again. The students were quite impressed by the trip as is evident from a German & Biomedical Engineering sophomore's blog entry:



"One of the most incredible things about this trip was the amount of insight to the industry that we received. Most memorable for me was our day at DB. The project management program we went through was extremely interactive and insightful, and gave the new group members a chance to grow comfortable with each other and challenge each other's strengths and weaknesses. However, my favorite moment of the whole experience was when we had the chance to dine with the DB Schenker Rail employees. I had the fortune of claiming a seat next to the CEO of the company Alexander Hedderich. He gave an extensive review of the company and many of their possible future endeavors. When the presentation was finished I immediately began to engage Dr. Hedderich in conversation. I wanted to see how far I could go to test the limits of my communication skills. We began an extremely interesting conversation that ranged from the

status of the company, to revenues, types of people who work for DB Schenker, the future goals of the railway, the power of the company in their present logistics and the challenges they face from the government, as well as what sets DB Schenker apart from other railway companies in Germany and Europe alike. What I realized from the conversation was the power that DB has as a company and how much the German economy relies on them for movement, investment, and logistics."

Providence Journal

URI picked for Obama program to boost number of Americans studying in Latin America

January 17, 2014 11:15 PM

PROVIDENCE, R.I. — The University of Rhode Island is one of four schools selected to take part in President Obama’s initiative to increase the number of American students studying in Latin America, URI announced Friday.

Vice President Joseph Biden and Secretary of State John Kerry were on hand at the State Department in Washington on Friday to personally honor two URI administrators: Megan Mercedes Echevarria, professor of Spanish and film media and director of URI’s Spanish International Engineering Program, and Winifred Brownell, dean of URI’s College of Arts and Sciences.

“The selection of the University of Rhode Island to participate in this presidential initiative is a tribute to the hard work of our faculty and staff in the colleges of Arts and Sciences and Engineering in truly making our International Engineering Program a global leader,” David M. Dooley, URI president, said in a news release.

Mr. Obama wants to see 100,000 students take up studies in Latin America, and 100,000 students from Latin America to attend school in this country.

A proposal by Echevarria led to a \$50,000 grant to help launch URI’s Spanish Engineering Program in Chile. The program will include student internships at Chilean companies, a summer undergraduate research project in Valparaiso, an academic exchange with URI’s partner school, Pontificia Universidad Catolica de Valparaiso, and a new course to be taught at URI by Echevarria that will focus on innovations in sustainability in South America. The course will be taught entirely in Spanish.

Under the engineering program, students can earn a bachelor of science in engineering and a bachelor of arts in Spanish over a five-year period. The program offers 12 months of study abroad.

Echevarria said the program expands the Spanish International Engineering Program that began in 1998 and has sent URI students to Spain and Mexico for internships, research and study, and has brought students from those countries to URI.

<http://www.providencejournal.com/breaking-news/content/20140117-uri-picked-for-obama-program-to-boost-number-of-americans-studying-in-latin-america.ece>



Megan Mercedes Echevarria



Winifred Brownell

Senior CIEP profile: Christian Marks

Christian Marks is a 6th year Chinese & Computer Engineering major. He interned for Hexagon Metrology in Quonset the summer before going to China two years ago. After studying at Zhejiang University for a semester he continued at Hexagon Metrology in Qingdao. He has many memorable stories to tell, such as biking his way through megacities of over 10 million people, getting lost in Shanghai, and more.



When he came back to finish his degrees at URI, Hexagon asked him to work part-time for them, and he has been doing this during his 5th and 6th year. His involvement with the company took a dramatic turn when Hexagon called the IEP during Spring break '13 in a panic asking if we knew someone who could help them with an important customer – TangShan Railway Vehicle Company, conducting a run-off on a Global Advantage Machine they had ordered. Hexagon needed someone who could translate not just conversational but technical terms. We immediately thought of Christian, and tried to find him. It turned out he was driving through Delaware with a friend. We hunted him down and he helped out for two days with this delegation earning praise from CEO Angus Taylor and other Hexagon employees. This June he'll be off to the HxGN LIVE 2014 – Hexagon's international conference in Las Vegas where he is presenting a product he prototyped last month which they are currently polishing with the computer and electrical team. His internship in China seems to have taught him all the skills he needed for his various technical and linguistic engagements at Hexagon. Christian wrote about his Qingdao internship:

When I began my internship here in China, I started off with taking their training program to become more familiar with their products (coordinate measuring machines). The training program consisted of studying the process of assembling a machine, setting up and connecting controller systems, running various stress and calibration tests, adjusting the machines for precision, and using the machine's software. During each part, I'd shadow workers there as they'd do part of the building process and explain it all in detail, and afterwards be tested on important aspects of the process.

Currently, I've finished the training program and I'm now working in the electronics and calibration department. My responsibilities include connecting controller systems to the measuring machines, updating machine files, running stress tests, and calibrating the machines. I work in the factory's machine assembly area and calibration room, and often work alongside the assembly workers. As the team is always very busy, I've been able to jump in and work as another member of their team.

I speak very little English at the factory. Aside from the HR and customer relations staff, few workers speak English, so I've been having plenty of practice of my Chinese, including learning lots of professional vocab. With both engineering and language study, this internship is going very well :)

Graduating senior Kayla Belanger, Chemical Engineering & French '14



Graduating senior Kayla Belanger, Chemical Engineering & French '14
with Nina Bouaziz, a former exchange student from UTC

Kayla Belanger will graduate from the French IEP this year, but this will not be her last experience with French and engineering. She will continue her studies by pursuing a Masters degree in biological engineering at the Université de Technologie de Compiègne (UTC). Kayla studied last year at UTC and then interned with Solvay-Rhodia in Lyon, France where she worked on analyzing the kinetics of polymerization reactions in order to increase the safety and efficiency of the processes.

At UTC, Kayla will study under the guidance of Professeur Christophe Egles. As a result of the 2010 IEP Board Meeting at UTC, Professeur Egles paid a visit to URI and has subsequently begun collaborating with URI's Professor Geoff Bothun on bionanotechnology research. Kayla's graduate studies at UTC could pave the way for a dual-degree masters program between URI and our French partner.

Emily Serman: Investigating Global Climate Change at NASA

Climate change threatens everything from the safety of coastal communities to the purity of the air we breathe. To better understand this phenomenon, the National Aeronautics and Space Administration operates an extensive environmental program. Playing a key role in the program are paid interns like University of Rhode Island student Emily Serman ('14).



The civil and environmental engineering student spent four summers interning at NASA's Wallops Flight Facility in Virginia, a hub for the agency's weather-related research. The first year, she analyzed phytoplankton. During the next three summers, she served on a team studying the behavior of ozone, which protects the Earth from the sun's rays but can also cause disruptive temperature changes in the atmosphere.

At NASA, Serman calibrated data collection instruments, reviewed reams of data and organized atmospheric observations spanning many years so scientists could identify long-term trends. In later summers, she ran calculations to determine the contours of ozone in the atmosphere's multiple layers. Finally, she brought it all together in presentations to NASA administrators.

"It was more than just doing calculations on paper," Serman says. "I saw how it fit into the real world. Plus, when you are at NASA you feel like you're in a special group of people."

Every day, Serman met scientists renowned in their fields. She saw a rocket blast off from Wallops Island and witnessed the last Space Shuttle launch from an auditorium packed with NASA scientists.

The environment proved exhilarating and Serman applied for the internship program year after year. NASA accepted her four times and Serman had the distinction of being the only intern from a Rhode Island university.

But Rhode Island was never far away. Serman found herself applying her classroom learning to her internship tasks, a process that strengthened her understanding of topics she learned at URI.

Emily Serman: Investigating Global Climate Change at NASA *(continued)*

Serman, of Newark, MD, also knows that technical experience is only half of what makes a good engineer. The daughter of environmental scientists understands that environmental solutions require global cooperation and an appreciation of different cultures. To bolster her global education she joined the college's five-year International Engineering Program where students earn two degrees: one in an engineering discipline and one in a foreign language. Students also live a year abroad and Serman spent the 2012-2013 school year in Germany.

In Germany, she studied at the Technical University of Braunschweig and then held a paid internship at Züblin, a German construction and engineering firm. At Züblin, she managed the distribution to engineers of plans drawn in England for a metro line in Qatar. She conversed in German and absorbed a culture that demonstrates environmental sensitivity by operating extensive recycling programs and encouraging renewable energy development. Like NASA, Germany showed Serman that internships provide a way of seeing various fields – engineering, math, culture and language – come together.

“To me it’s all about being well rounded,” Serman says. “I like to look at the big picture.”

<http://egr.uri.edu/emily-serman-investigating-global-climate-change-at-nasa/>