



CWРУ | FDS
First Destination Survey
Class of 2013

March 2014

First Destination Survey Report Class of 2013

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Executive Summary

How Case Western Reserve University graduates used their college education continued to change in ways both exciting and unpredictable for the class of 2013. Their undergraduate education served less as a linear path from academic major to career or graduate school and more as a foundation for exploring myriad industry and advanced degree options, including the top five fields of engineering, information technology, nursing, management consulting, and education.

Our graduates entered these and other fields, placing a premium on collecting, analyzing, and sharing data; leading in ambiguous situations; listening and collaborating actively; and embracing change; in other words, flourishing in the Knowledge economy. Having spent the last approximately four years with these graduates, we know they'll bring curiosity, creativity, and an entrepreneurial spirit to the 21st Century workplace, challenging the status quo and reimagining the future.

Highlights

- ◆ Of those who responded to the question about experiential learning, 96% reported participating in at least one form of experiential learning.
- ◆ Seventy-four percent (74%) of graduates who reported being employed indicated that the position they found required a college degree and was related to their field of study.
- ◆ Select organizations hiring multiple members of the Class of 2013 included University Hospitals (13), Teach for America (11), Epic Systems (10), Accenture (9), Cleveland Clinic (8), General Electric (8), Microsoft Corporation (8), Case Western Reserve University (6), and Swagelok Company (6).
- ◆ Forty-two percent (42%) of graduates reported pursuing an advanced degree; of those, sixteen percent (16%) planned to attend medical school.
- ◆ Graduates were accepted into a number of impressive graduate and professional schools including: Cornell University, Emory University, Harvard University, Northwestern University, Stanford University, University of California, Berkeley, University of Cambridge, University of Chicago, University of Oxford, Vanderbilt University, Washington University in St. Louis and Yale University.
- ◆ Thirty-nine percent (39%) of graduates who are continuing on to graduate school will study at CWRU.
- ◆ Similar to last year, the median salary range for the Class of 2013 was \$50,000-\$54,999. Median salary ranges by college/schools were as follows:
 - Arts and Sciences: \$30,000-34,999, no change from last year
 - Engineering: \$60,000-64,999, an increase of \$5,000 from last year
 - Management: \$45,000-49,999, no change from last year
 - Nursing: \$45,000-\$49,999, a decrease of \$5,000 from last year

Thomas B. Matthews, Ph.D.
Executive Director, CWRU Career Center

Methodology

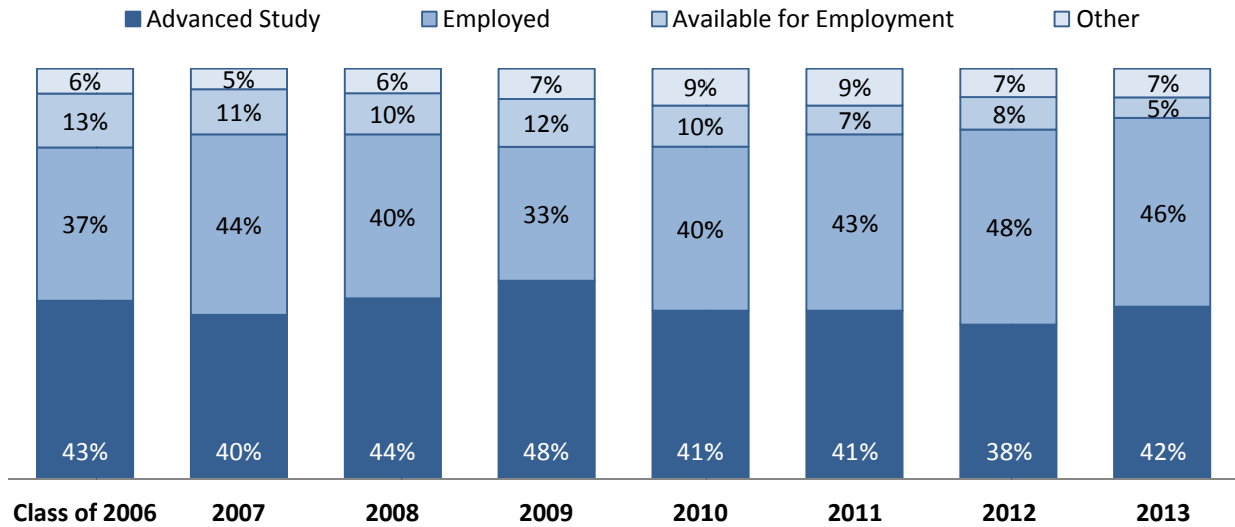
The 2013 First Destination Survey was distributed to 871 graduating seniors using a web-based technique. Job and graduate/professional school plan data was also collected via faculty/staff reports and LinkedIn, an online professional networking website. Overall, post-graduation plan data was collected for 79% (n=684) of graduates.

The 2013 First Destination Survey was distributed in three stages throughout the academic year: August 2012, January 2013, and May 2013. An email was sent to graduates with a link to the survey beginning approximately one month before graduation, and continued to be sent every two weeks to all non-respondents and still-seeking graduates through December 2013. LinkedIn was used to gather information on non-respondents and those students who indicated they were still seeking employment after graduating from CWRU. Faculty and staff were also contacted for post-graduation plan information on non-respondents and those graduates still seeking employment.

Appendix A includes a copy of the First Destination Survey used to capture the information contained in this report. The survey was administered using CampusLabs, an assessment vendor used by the Career Center.

Historical Overview

Figure 1. Post-Graduation Plans

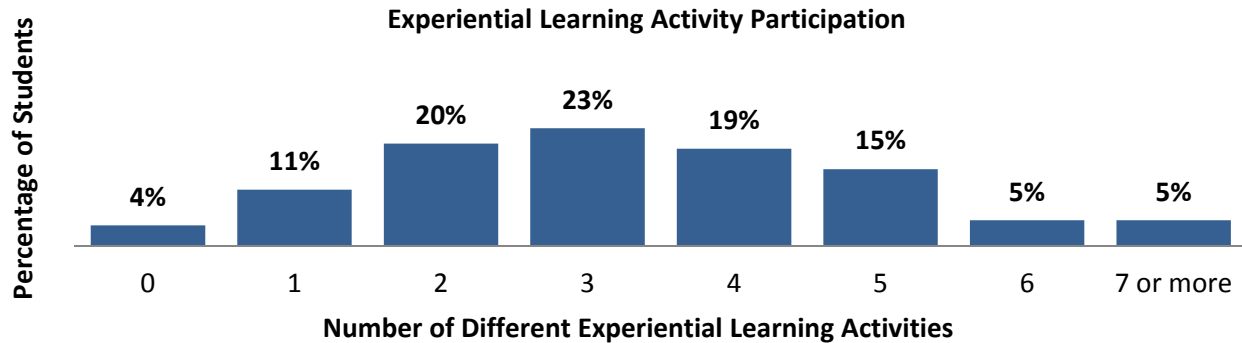


	2006	2007	2008	2009	2010	2011	2012	2013	Trend
Advanced Study	43%	40%	44%	48%	41%	41%	38%	42%	
Employed Full-Time	37%	44%	40%	33%	40%	43%	48%	46%	
Available for Employment	13%	11%	10%	12%	10%	7%	8%	5%	
Other	6%	5%	6%	7%	9%	9%	7%	7%	

Key Findings

Experiential Learning

Four hundred ninety-one (491) graduates answered the experiential learning questions. Of those students, 96% (n=472) participated in at least one experiential learning activity.



The majority of students rated their experiential learning activities as valuable or extremely valuable.¹ Of those who participated in experiential learning, Arts and Sciences graduates had the highest average number of activities (3.60), followed by Nursing graduates (3.54), Engineering graduates (3.41), and Management graduates (3.23). Community service and research with CWRU faculty were the most popular activities for Arts and Sciences majors, while internships and community service were the most popular activities for Engineering and Management majors. All Nursing majors participated in a practicum and three-fourths participated in community service. The table below describes participation by school/college.

Table 2. Participation in Experiential Learning by School/College²

Experiential Learning Activities	Arts & Sciences (N=208)		Engineering (N=215)		Management (N=61)		Nursing (N=28)	
Any experiential learning activities	200	96%	209	97%	56	92%	28	100%
Internship	73	35%	118	55%	42	69%	8	29%
Practicum	22	11%	15	7%	11	18%	28	100%
Co-op	9	4%	61	28%	2	3%	0	0%
Research Outside of CWRU	67	32%	47	22%	8	13%	5	18%
Research with CWRU Faculty	129	62%	116	54%	16	26%	9	32%
Independent Research	88	42%	46	21%	11	18%	6	21%
Study Abroad	63	30%	42	20%	15	25%	6	21%
Summer Jobs	106	51%	117	54%	33	54%	16	57%
Community Service	163	78%	151	70%	43	70%	21	75%

¹ Scale: Did not participate, not at all valuable, slightly valuable, somewhat valuable, valuable, extremely valuable.

² Students who earned degrees from more than one school/college are included in the counts for each college/school in which they earned a degree.

Skills Developed Through Experiential Learning

Graduates were asked to rank the top three skills they developed as a result of participating in experiential learning activities. Overall, graduates ranked technical or job content skills (51%), communication skills (46%), and strong work ethic (44%) as the areas where they improved the most.³

Table 3. Top 3 Skills Developed through Experiential Learning Activities (by College/School)

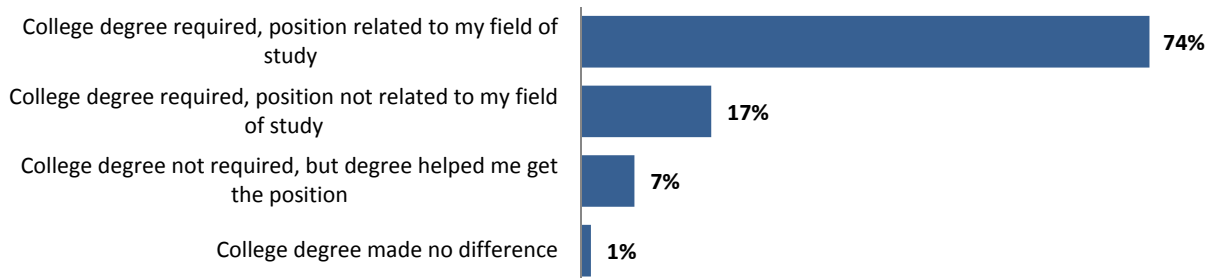
Arts & Sciences	Engineering	Management	Nursing
Communication skills	Technical job content skills	Communication skills	Technical job content skills
Analytical skills	Communication skills	Analytical skills	Communication skills
Technical job content skills	Interpersonal skills	Strong work ethic and teamwork	Strong work ethic

Table 4. Percentage of Graduates in Each College/School Who Ranked Each Skill as #1

Skills	Arts & Sciences		Engineering		Management		Nursing	
Adaptability	8	5%	7	4%	0	0%	0	0%
Analytical Skills	26	15%	15	8%	10	20%	2	8%
Communication Skills	37	21%	34	17%	11	22%	5	19%
Computer Skills	3	2%	5	3%	2	4%	0	0%
Detail Oriented	4	2%	1	1%	0	0%	1	4%
Interpersonal Skills	16	9%	22	11%	4	8%	1	4%
Leadership Skills	15	8%	10	5%	3	6%	1	4%
Motivation/Initiative	7	4%	10	5%	1	2%	2	8%
Organizational Skills	6	3%	6	3%	1	2%	0	0%
Self-Confidence	10	6%	11	6%	3	6%	2	8%
Strong Work Ethic	16	9%	18	9%	5	10%	4	15%
Teamwork	9	5%	16	8%	5	10%	2	8%
Technical Job Content Skills	20	11%	42	21%	4	8%	6	23%
Total	177	100%	197	100%	49	100%	26	100%

Position Requirements

Forty-six percent (46%, n=315) of graduates accepted full-time employment and 223 (71%) provided a response to whether or not a college degree was required for their jobs. Of those who answered the question, 91% said their position required a college degree and 74% said their position required a college degree and was related to their field of study.



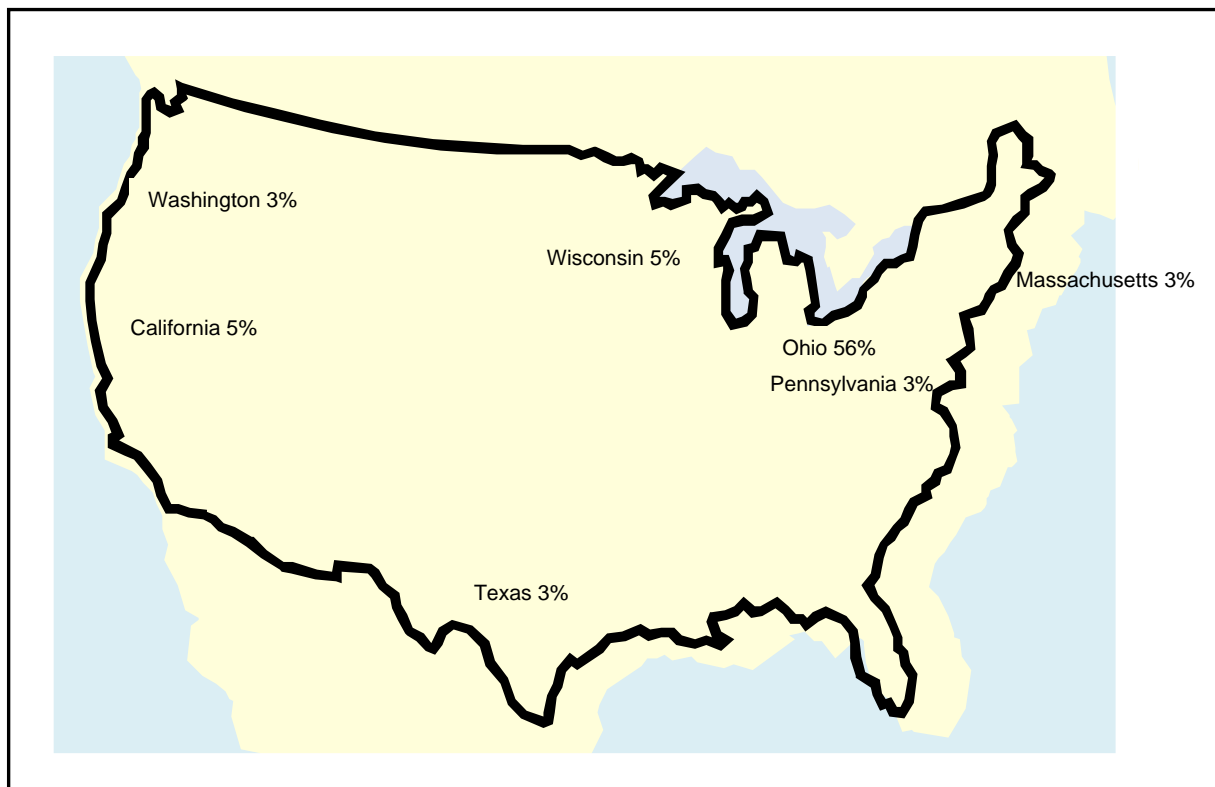
³ N=443

Job Locations

Of the 315 graduates who accepted full-time employment, 95% (n=300) provided information about the location of their position. Sixty-six percent (66%, n=199) accepted positions in the Midwest United States⁴. Fifty-six percent (56%, n=167) accepted positions in Ohio. Of those who accepted positions in Ohio, 89% (n=149) accepted positions in the northeastern region. Outside of Ohio, graduates tended to take jobs in California, Massachusetts, Pennsylvania, Texas, Washington, and Wisconsin. Six students (2%) accepted full-time employment outside the United States.

Table 5. Employment by Region

n	%	Region
199	66%	Midwest
32	11%	Northeast
36	12%	South
27	9%	West
6	2%	Outside the U.S.
300	100%	Total



⁴ Regions were determined based on the U.S. Census Bureau document *Census Regions and Divisions of the United States*. Retrieved January 4, 2013.

Industry

Of the 315 graduates who accepted full-time employment, 74% (n=233) provided information about their chosen industry.

Industry	n	%	Industry	n	%
Accounting	5	2%	Healthcare/Public Health	6	3%
Art/Design/Performance	1	0%	Information Technology	27	12%
Business/Administration	8	3%	Manufacturing	6	3%
Communication	1	0%	Marketing/Sales	6	3%
Construction	3	1%	Medical Device	4	2%
Consulting	17	7%	Non-profit	4	2%
Education/Teaching	16	7%	Nursing	22	9%
Engineering	79	34%	Politics/Law	1	0%
Financial Services	11	5%	Research	11	5%
Government	1	0%	Science	4	2%

Career Center Visits

Graduates were asked to indicate how frequently they visited the Career Center. A total of 463 graduates responded to the question and 74% (n= 343) said they had visited the Career Center at least once. The percentage of students who visited the Career Center by school/college was as follows:

Arts and Sciences 74% (n=142)
Engineering 74% (n=153)

Management 96% (n=53)
Nursing 46% (n=12)

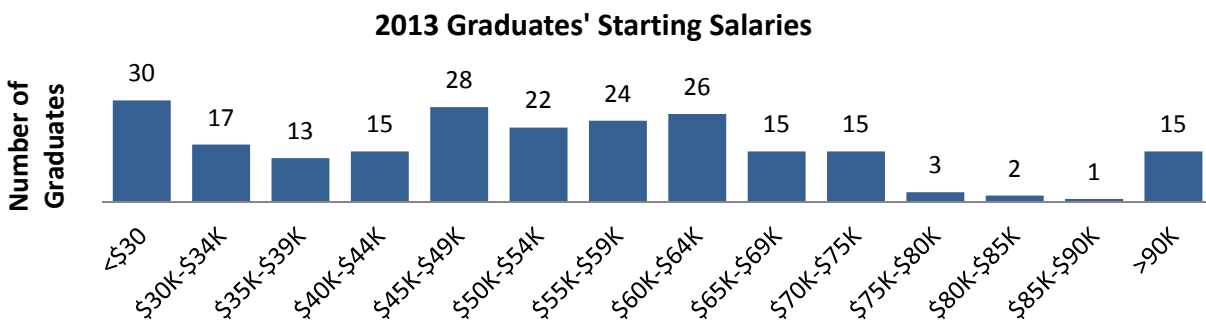
Select Employers

A sampling of Fortune 500, government, non-profit, and private sector employers who hired CWRU graduates includes:

Alcoa	McKinsey & Company
Amazon.com, Inc.	McMaster-Carr Supply Company
Avery Dennison	NASA Glenn Research Center
Bridgestone Americas Center for Research and Technology	National Instruments
Avery Dennison	Nordson Corporation
Cohen & Company	Parker Hannifin Corporation
Deloitte Consulting, LLP	Philips Healthcare
Dow Chemical Company	PNC Financial Services Group
Ernst & Young Global Limited	Procter & Gamble
Explorys, Inc.	Rockwell Automation
Google, Inc.	Rosetta Marketing Group, LLC
Hyland Software	Stryker
KeyBank	The Timken Company
Lockheed Martin	Venture for America
	Yelp

Starting Salaries

Seventy-two percent (72%, n=226) of the 315 graduates who accepted full-time employment provided salary information. The median salary range for those who accepted full-time employment was \$50,000-\$54,999. The most common salary range was \$45,000-\$49,999.⁵



⁵ Scales were combined for $\leq \$25K$ and $\$25-30K$, and for $\$90-95K$, $\$95-100K$, and greater than $\$100K$.

Graduate/Professional Schools

A total of 284 students planned to pursue advanced study and 250 provided information about their graduate/professional school. The list below highlights some of the institutions they chose to attend:

Arizona State University	Tsinghua University
Boston University	University of California, Berkeley
Case Western Reserve University	University of California, Davis
Cornell University	University of California, Irvine
Duke University	University of California, Los Angeles
Emory University	University of California, Santa Barbara
Georgia Institute of Technology	University of Cambridge
Harvard University	University of Chicago
Indiana University	University of Cincinnati
Iowa State University	University College London
Johns Hopkins University	University of Edinburgh
Michigan State University	University of Illinois at Urbana-Champaign
New York University	University of Michigan
Northeast Ohio Medical University	University of Minnesota
Northwestern University	University of Notre Dame
Ohio University	University of Oxford
The Ohio State University	University of Pennsylvania
Purdue University	University of Pittsburgh
Rice University	University of Wisconsin-Madison
Rutgers, The State University of New Jersey	Vanderbilt University
Stanford University	Washington University in St. Louis
SUNY: University at Buffalo	Yale University
The University of Southern California	

Law Schools

Two percent (2%, n=7) of graduates planned to attend law school. Their chosen law schools included:

- Boston College
- Miami University
- The Ohio State University
- The University of Akron
- University of Pittsburgh
- Vanderbilt University

Medical Schools

Sixteen percent (16%, n=45) of graduates planned to attend medical school.⁶ Medical schools that graduates chose to attend included:

Case Western Reserve University (8)	University of Chicago
Drexel University	University of Cincinnati
Indiana University (2)	University of Louisville
New York University (3)	University of Minnesota
Northeast Ohio Medical University	University of New Mexico
Northwestern University	University of Pittsburgh
Ohio University (3)	The University of Texas Southwestern Medical Center
The Ohio State University (4)	University of Toledo (3)
Rosalind Franklin University of Medicine and Science	Wake Forest University
SUNY: University of Buffalo	Wright State University (4)
Temple University	Yale University

Scholarships and Fellowships

Graduates were also awarded a number of impressive scholarships and fellowships including:

- Fulbright
- Gates Cambridge
- National Defense Science and Engineering Graduate Fellowship
- National Science Foundation Graduate Research Fellowship
- Tau Beta Pi Fellowship
- United States Army Health Professions Scholarship
- Whitaker Fellowship

In addition, many graduates received competitively-awarded scholarships or fellowships from states or graduate institutions.

⁶ Planned to pursue M.D. or D.O. degrees.

2013 Post-Graduation Plans (by School)

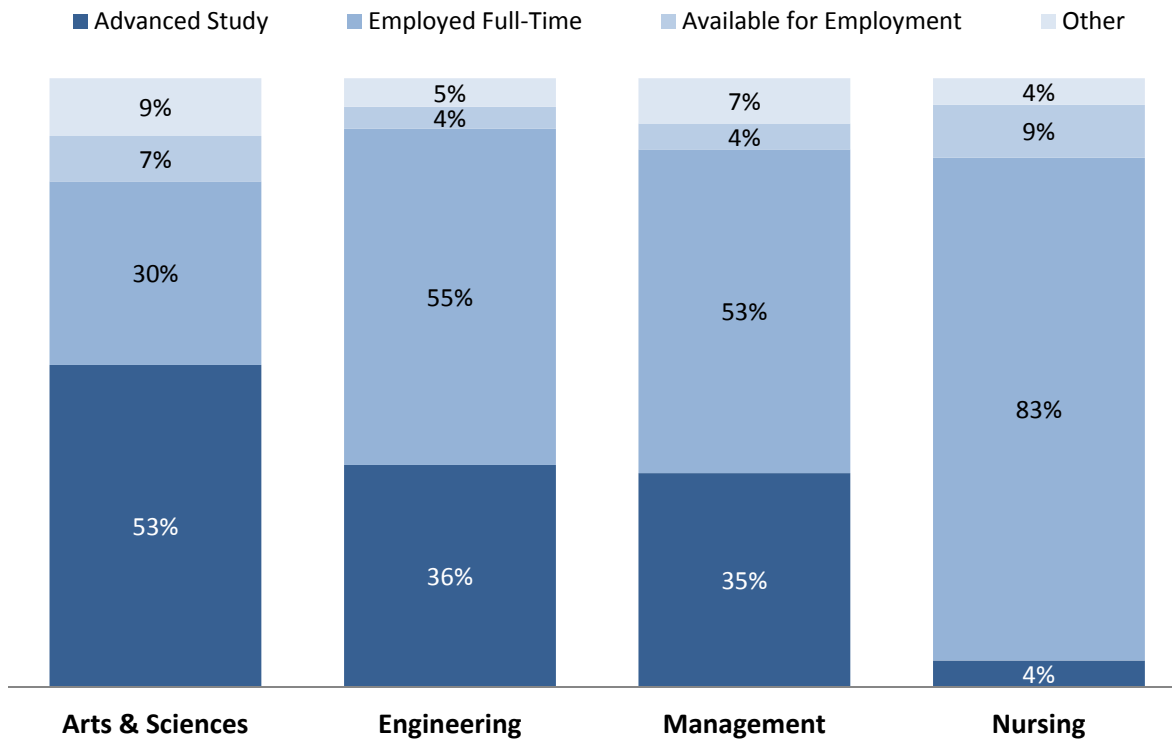


Table 6. Future Plans by School

Plans	Arts & Sciences		Engineering ⁷		Management ⁸		Nursing		All Graduates ⁹	
Advanced Study	156	53%	101	36%	33	35%	2	4%	284	42%
Employed Full-Time	89	30%	153	55%	50	53%	38	83%	315	46%
Available for Employment	22	7%	10	4%	4	4%	4	9%	37	5%
Other	28	9%	13	5%	7	7%	2	4%	48	7%
Total Responses	295	100%	277	100%	94	100%	46	100%	684	100%
Total Graduates	407		316		122		63		871	
Response Rate	72%		88%		77%		73%		79%	

⁷ Includes students awarded a degree in Computer Science.

⁸ Includes students awarded degrees in Economics.

⁹ Percentages may not add to 100% due to rounding. The school/college totals do not add up to the sum in the Total column because students are counted once for each of their schools.

Post-Graduation Plans: All Undergraduates (by Major)

Seventy-eight percent (78%, n=679) of participants graduated with one major; 21% (n=183) with two majors; and 1% (n=9) with three majors. The next table describes graduates' plans by major¹⁰. Graduates' responses are counted once for each of their earned majors, for a total of 1,072 responses.

Table 7. Future Plans by Major

Major Description	Total Graduates	Total Responses	Response Rate	Advanced Study		Employed Full-Time		Available for Employment		Other	
	N	n	%	n	%	n	%	n	%	n	%
Accounting*	41	33	80%	19	58%	14	42%	0	0%	0	0%
Aerospace Engineering*	30	24	80%	11	46%	11	46%	1	4%	1	4%
Anthropology*	22	17	77%	8	47%	6	35%	1	6%	2	12%
Biochemistry*	46	30	65%	27	90%	2	7%	1	3%	0	0%
Biology*	76	52	68%	31	60%	11	21%	4	8%	6	12%
Biomedical Engineering*	92	80	87%	41	51%	31	39%	5	6%	3	4%
Chemical Engineering*	33	32	97%	10	31%	22	69%	0	0%	0	0%
Chemistry*	42	32	76%	21	66%	6	19%	1	3%	4	13%
Civil Engineering*	20	20	100%	10	50%	9	45%	1	5%	0	0%
Cognitive Science*	20	19	95%	8	42%	8	42%	2	11%	1	5%
Computer Engineering*	13	13	100%	0	0%	12	92%	1	8%	0	0%
Computer Science*	45	36	80%	4	11%	28	78%	1	3%	3	8%
Economics*	37	26	70%	10	38%	14	54%	1	4%	1	4%
Electrical Engineering*	30	21	70%	6	29%	13	62%	0	0%	2	10%
English*	24	18	75%	6	33%	9	50%	3	17%	0	0%
Environmental Studies*	7	6	86%	2	33%	3	50%	1	17%	0	0%
History*	18	13	72%	5	38%	3	23%	1	8%	4	31%
International Studies*	10	7	70%	1	14%	3	43%	2	29%	1	14%
Management*	46	37	80%	5	14%	23	62%	3	8%	6	16%
Materials Science & Engineering*	6	6	100%	3	50%	3	50%	0	0%	0	0%
Mathematics*	10	9	90%	4	44%	3	33%	0	0%	2	22%

¹⁰ Majors that include at least one student with multiple majors are marked with an asterisk (*). In order to maintain the anonymity of participants, majors with fewer than five responses were not included in the table. Majors with fewer than five responses include: Applied Mathematics, Art History, Astronomy, Classics, Communication Sciences, Dance, Dean's Approved Major, Engineering Physics, Evolutionary Biology, French, French and Francophone Studies, Geological Sciences, German, History and Philosophy of Science, Japanese Studies, Mathematics and Physics, Music Education, Systems and Control Engineering, Systems Biology, Teacher Education, Women's and Gender Studies.

Major Description	Total Graduates	Total Responses	Response Rate	Advanced Study		Employed Full-Time		Available for Employment		Other	
	N	n	%	n	%	n	%	n	%	n	%
Mechanical Engineering*	62	55	89%	16	29%	32	58%	3	5%	4	7%
Music*	11	9	82%	4	44%	5	56%	0	0%	0	0%
Nursing	63	46	73%	2	4%	38	83%	4	9%	2	4%
Nutritional Biochemistry & Metabolism*	9	9	100%	6	67%	2	22%	0	0%	1	11%
Nutrition*	16	15	94%	7	47%	6	40%	2	13%	0	0%
Philosophy*	12	7	58%	5	71%	2	29%	0	0%	0	0%
Physics*	12	10	83%	4	40%	5	50%	1	10%	0	0%
Political Science*	20	11	55%	5	45%	2	18%	2	18%	2	18%
Polymer Science & Engineering	10	10	100%	7	70%	2	20%	0	0%	1	10%
Psychology*	76	51	67%	22	43%	18	35%	5	10%	6	12%
Religious Studies*	8	6	75%	1	17%	4	67%	0	0%	1	17%
Sociology*	24	17	71%	4	24%	11	65%	1	6%	1	6%
Spanish*	11	11	100%	4	36%	7	64%	0	0%	0	0%
Statistics	6	5	83%	3	60%	2	40%	0	0%	0	0%
Theater Arts*	10	7	70%	3	43%	4	57%	0	0%	0	0%

Salaries: All Undergraduates

Of the 226 graduates who provided salary information, 79% (n=179) graduated with one major, 18% (n=41) with two majors, and 3% (n=6) with three majors. The next table provides salaries by major. Students with more than one major are counted once for each of their earned majors for a total of 279 responses.¹¹ National salary averages were taken from the National Association of Colleges and Employers 2013 Salary Survey (January 2014).

¹¹ Majors that include at least one student with multiple majors are marked with an asterisk (*). In order to maintain the anonymity of participants, majors with fewer than five responses are not included in the table. Majors with fewer than five responses include: Anthropology, Applied Mathematics, Biochemistry, Chemistry, Engineering Physics, English, Environmental Studies, Evolutionary Biology, German, History, History and Philosophy of Science, International Studies, Materials Science and Engineering, Mathematics, Nutritional Biochemistry and Metabolism, Nutrition, Philosophy, Physics, Political Science, Polymer Science and Engineering, Religious Studies, Statistics, Systems and Control Engineering, Teacher Education, and Theater Arts.

Table 8. Salaries by Major

Major	< 30K	30- 35K	35- 40K	40- 45K	45- 50K	50- 55K	55- 60K	60- 65K	65- 70K	70- 75K	75- 80K	80- 85K	85- 90K	> 90K
Accounting* (National average: \$53,800)	0	1	0	0	5	1	1	2	0	0	0	0	0	0
Aerospace Engineering* (National average: \$64,500)	1	0	0	0	1	1	0	0	2	2	0	1	0	0
Biology* (National average: \$41,300)	5	0	2	1	0	0	0	0	0	0	0	0	0	0
Biomedical Engineering* (National average: \$47,300)	3	0	1	0	2	2	4	5	2	7	0	0	0	0
Chemical Engineering* (National average: \$67,500)	1	0	0	1	0	0	3	2	3	4	2	0	0	0
Civil Engineering* (National average: \$58,500)	0	1	0	0	2	1	2	1	1	0	0	0	0	1
Cognitive Science* (National average: Not available)	3	1	0	1	0	0	0	1	0	0	0	0	0	0
Computer Engineering* (National average: \$70,900)	1	0	0	1	0	0	2	1	1	0	0	0	0	3
Computer Science* (National average: \$64,700)	1	0	0	0	0	1	5	5	1	0	0	0	1	11

Major	< 30K	30- 35K	35- 40K	40- 45K	45- 50K	50- 55K	55- 60K	60- 65K	65- 70K	70- 75K	75- 80K	80- 85K	85- 90K	> 90K
Economics* (National average: \$56,600)	0	1	0	0	2	1	0	2	1	0	0	0	0	1
Electrical Engineering* (National average: \$63,000)	1	0	0	0	1	1	2	0	2	1	1	1	0	1
Management* (National average: \$56,300)	0	3	3	1	2	2	0	4	1	0	0	0	0	0
Mechanical Engineering* (National average: \$64,500)	3	1	0	0	4	5	2	3	2	2	0	1	0	0
Music* (National average: \$35,800)	1	2	0	0	0	0	1	1	0	0	0	0	0	0
Nursing (National average: \$52,800)	0	0	2	4	6	6	2	1	0	0	0	0	0	0
Psychology* (National average: \$37,400)	9	2	0	0	2	0	1	0	0	0	0	0	0	0
Sociology* (National average: \$37,300)	4	2	1	0	0	0	1	0	0	0	0	0	0	0
Spanish* (National average: Not available)	1	3	1	0	1	0	0	0	0	0	0	0	0	0

Employers by Major

The next table describes students' employers by major.¹²

Table 9. Employers by Major

Major	Employers (number of graduates)
Accounting*	American Electric Power Apple Growth Partners Cohen & Company DDR Corporation Ernst & Young Global Limited General Electric Hanmi Bank KeyBank KPMG LLP MRI Software, LLC Parnassus Investments PricewaterhouseCoopers Skoda Minotti
Aerospace Engineering*	Accenture Case Western Reserve University Cristal General Electric (3) Lockheed Martin Corporation Nordson Corporation Production Robotics, Inc Swagelok Company The Timken Company
Anthropology*	Camp Chen-A-Wanda Case Western Reserve University Delta Diversified, Inc Slow Food USA Northeast Ohio Medical University- Cleveland State University Partnership for Urban Health
Biology*	Camp Chen-A-Wanda Cargill, Inc Case Western Reserve University Cleveland Clinic Littler Mendelson P.C. Nationwide Children's Hospital New York Life Insurance Company Teach For America University of Illinois at Chicago University of Michigan
Biomedical Engineering*	Accenture (5) Blue Chip Consulting Group, LLC Brainlab, Inc Cleveland Cavaliers Deloitte Consulting, LLP eClinicalWorks Epic Systems (3) HealthcareSource Johns Hopkins University Katecho, Inc Materialise MIM Software, Inc (2) Mondelez International, Inc NineSigma, Inc Nordson Corporation Philips Healthcare PPG Industries Procter & Gamble Quality Electrodynamics Stryker The ScottCare Corporation Unilife Corporation US Department of Veteran Affairs Vancive Medical Technologies

¹² Graduates' employers are listed once for each of their earned majors. Majors that include at least one student with multiple majors are marked with an asterisk (*). In order to maintain anonymity of the participants, majors with fewer than five responses are not included in the table. Majors with fewer than five responses include: Applied Mathematics, Art History, Astronomy, Biochemistry, Classics, Communication Sciences, Dance, Dean's Approved Major, Engineering Physics, Environmental Studies, Evolutionary Biology, French, French and Francophone Studies, Geological Sciences, German, History, History and Philosophy of Science, International Studies, Japanese Studies, Materials Science and Engineering, Mathematics, Mathematics and Physics, Music Education, Nutritional Biochemistry and Metabolism, Philosophy, Political Science, Polymer Science and Engineering, Religious Studies, Statistics, Systems and Control Engineering, Systems Biology, Teacher Education, Theater Arts, and Women's and Gender Studies.

Major	Employers (number of graduates)	
Chemical Engineering*	Accenture Alcoa, Inc BASF Corporation Bridgestone Americas Center for Research & Technology Case Western Reserve University Cree, Inc Dow Chemical Company, The Equity Engineering Group, Inc General Electric Henkel Corporation InsMed, Inc	Jaros, Baum, & Bolles Lubrizol Corporation, The Momentive Specialty Chemicals Occidental Chemical Corporation PKMJ Technical Services, Inc Premier Pump, Inc Procter & Gamble Rockwell Automation RPM International, Inc Solvay-Rhodia Swagelok Company
Chemistry*	Adams Clinical Trials, LLC Epic Systems Hentzen Coatings, Inc	Lubrizol Corporation, The State Industrial Products
Civil Engineering*	The Albert M. Higley Company (2) Kiewit Corporation (2) McKinsey & Company	Solar Testing Laboratories, Inc. Stevenson & Associates Walsh Construction (2)
Cognitive Science*	Baylor University Medical Center at Dallas Hyland Software Karten Design Lieber Institute for Brain Development	Ohio Lumex Company, Inc Parker Hannifin Corporation The Journal of Visualized Experiments United States Army
Computer Engineering*	Amazon.com, Inc Banco General Epic Systems Ernst & Young Global Limited Fives Group Global IDs, Inc	Microsoft Corporation (2) Mobile Defense, Inc MRI Software, LLC National Instruments NewCare Solutions, LLC
Computer Science*	Amazon.com, Inc Bloomberg (2) Causes Epic Systems Explorys, Inc General Electric Google, Inc IBM Corporation (2) Itebazaar.com, Inc Microsoft Corporation (6)	MIM Software, Inc OverDrive, Inc PreEmptive Solutions Rightpoint Consulting, LLC Rockwell Automation Sogeti USA LLC United States Army UrbanCode, Inc (2) Yelp, Inc (2)
Economics*	Amazon.com, Inc Board of Governors of the Federal Reserve System Case Western Reserve University Epic Systems (2) Fleetmatics Gregory S. Young Company, LPA Lubrizol Corporation, The	McGraw-Hill Education MTD Products PNC Financial Services Group Shanghai Rhizome Research Center Solar Testing Laboratories, Inc Symphony Health Solutions

Major	Employers (number of graduates)	
Electrical Engineering*	Accenture Fives Group Maxim Integrated Microsoft Corporation NASA Glenn Research Center Nordson Corporation NOVI Energy	OASIS Preformed Lines Products Prodigy Construction Management and Engineering Qualitest Rockwell Automation SGS - Gunpo
English*	Amazon.com, Inc Americorps Benedictine High School The Journal of Visualized Experiments	McMaster-Carr Supply Company New York Life Insurance Company Philips Healthcare
Management*	284 Partners, LLC Avery Dennison Corporation Blackbaud, Inc Cleveland Cavaliers Diebold Corporation E.S. Schwartz and Company, Inc Epic Systems Ernst & Young Global Limited e-Ventus Corporation KeyBank Live Nation Worldwide, Inc	LorkTech Metropolitan Life Insurance Company MFS Supply MRI Software, LLC PNC Financial Services Group Rosetta Marketing Group, LLC (2) Selman & Company (2) Teach For America United States Army Wilshire State Bank
Mechanical Engineering*	Accenture Allied Equipment Company Bendix Commercial Vehicle Systems Case Western Reserve University Cleveland Tool & Machine Crane Aerospace and Electronics Cristal Federal-Mogul Corporation General Electric (4) Hose Master, Inc Infrastructure Factor Consulting, Inc Kase Equipment, Inc Lockheed Martin Corporation	Moen Moog, Inc Nordson Corporation Parker Hannifin Corporation PCC Airfoils, LLC Production Robotics, Inc Ranpak Corporation Rotek, Inc Swagelok Company (4) Swiger Coil Systems The Timken Company Venture for America
Music*	Karten Design MIM Software, Inc Mobile Defense, Inc	New York Life Insurance Company Teach For America

Major	Employers (number of graduates)	
Nursing	Cleveland Clinic (6) Duke University Medical Center (3) INOVA Health System Intermountain Healthcare Massachusetts General Hospital The MetroHealth System (3) Ministry Door County Medical Center Nationwide Children’s Hospital The Ohio State University Wexner Medical Center	ProMedica United States Army University Hospitals (12) University of Alabama Birmingham Hospital University of Pittsburgh Medical Center Vanderbilt University Medical Center (2)
Nutrition*	Alumni House Baylor University Medical Center at Dallas Case Western Reserve University	Planned Parenthood of Greater Ohio Primerica Rye on Market
Physics*	Epic Systems Ohio Lumex Company, Inc Tribute, Inc	TTI Floor Care Venture for America
Psychology*	AT&T Bellefaire JCB City Year, Inc Cleveland Clinic The Delta Chi Fraternity, Inc Delta Diversified, Inc Lieber Institute for Brain Development Macao Polytechnic Institute Massachusetts Public Interest Network	MTD Products New York Life Insurance Company Ohio Lumex Company, Inc Parker Hannifin Corporation Psychology Software Tools, Inc The Spanish-American Committee Teach For America (2) University of Michigan
Sociology*	American Wholesale Refrigeration AT&T BMW of North America, LLC Gregory S. Young Company, LPA Grupo T&T	Lieber Institute for Brain Development Philips Healthcare Spanish-American Committee, The Teach For America (2) University Hospitals
Spanish*	Baylor University Medical Center at Dallas Grupo T&T	Saint Martin de Porres High School Teach For America (4)

Graduate Schools by Major

The next table provides graduates’ future graduate schools and areas of study by CWRU major.¹³

¹³ Each graduate/professional school is listed under each of the graduates’ earned majors. Majors that include at least one student with multiple majors are marked with an asterisk (*). In order to maintain anonymity of the participants, majors with fewer than five responses were not included in the table. Majors with less than five responses included: Applied Mathematics, Art History, Astronomy, Classics, Communication Sciences, Computer Engineering, Computer Science, Dance, Dean’s Approved Major, Engineering Physics, Environmental Studies, Evolutionary Biology, French, French and Francophone Studies, Geological Sciences, German, History and Philosophy of Science, International Studies, Japanese Studies, Materials Science and Engineering, Mathematics, Mathematics and Physics, Music, Music Education, Nursing, Physics, Political Science, Religious Studies, Sociology, Spanish, Statistics, Systems and Control Engineering, Systems Biology, Teacher Education, Theater Arts, Women’s and Gender Studies.

Table 10. Graduate Schools by Major

CWRU Major	Graduate/Professional School	Intended Area of Study
Accounting*	Case Western Reserve University	Accountancy (12)
	Cleveland State University	Philosophy
	University of Georgia	Accounting
	University of Mississippi	Accounting
	University of Notre Dame	Accounting (2)
	University of Pittsburgh	Accounting
Aerospace Engineering*	Case Western Reserve University	Aerospace Engineering (3), Engineering, Engineering and Management, Mechanical Engineering (3)
	Purdue University	Aerospace - Propulsion, Mechanical Engineering
	School of the Art Institute of Chicago	Architecture
	University of Michigan	Aerospace
Anthropology*	Baldwin Wallace University	Accelerated Nursing Program
	Case Western Reserve University	Medical Anthropology, Public Health
	New York University	Medicine
	San Francisco State University	Dental Post Baccalaureate
	Tsinghua University	Global Business Journalism
	University of Oxford	International Development
	University of Toledo	Medicine
Biochemistry*	Arizona State University	Biochemistry
	Case Western Reserve University	Bioethics, Dental Medicine, Epidemiology, Medicine (4)
	Drexel University	Medicine
	Emory University	Pharmacology
	Harvard University	Systems Biology
	Indiana University	Medicine
	The Ohio State University	College of Medicine, Dentistry
	New York University	Medicine
	Northwestern University	Medicine
	SUNY: University at Buffalo	Medicine
	Temple University	Medicine
	University of Cincinnati	Medicine
	University of Minnesota	Medicine
	University of Pittsburgh	Medicine
	University of Wisconsin-Madison	Social Psychology
	Wright State University	Medicine (2)

CWRU Major	Graduate/Professional School	Intended Area of Study
Biology*	Boston University	Physical Therapy
	Case Western Reserve University	Biology (4), Genetic Counseling, Macromolecular Science and Engineering, Medicine
	Huazhong University of Science & Technology	Public Health
	New York University	Medicine (2)
	Ohio University	Medicine
	The Ohio State University	Biology, Dentistry, Molecular Cellular and Developmental Biology, Veterinary Medicine
	Rosalind Franklin University of Medicine and Science	Medicine
	Ross University	Veterinary Medicine
	SUNY: University at Buffalo	Neuroscience
	Temple University	Medicine
	The University of Alabama	Dentistry
	University of Chicago	Medicine (MD)
	University of Cincinnati	Medicine
	University of Illinois	Veterinary Medicine
	University of South Florida	Medical Sciences
Wake Forest University	Medicine	
Wright State University	Medicine	
Biomedical Engineering*	Arizona State University	Biomedical Engineering
	Boston University	Biomedical Engineering
	Case Western Reserve University	Biomedical, Biomedical Engineering (4), Business, Engineering (2), Engineering and Management (6), Graduate Studies, Medical Physiology, Medicine
	Cornell University	Biomedical Engineering
	Indiana University	Medicine
	Johns Hopkins University	Public Health
	Ohio University	Osteopathic Medicine
	Rice University	Bioengineering
	The University of Texas Southwestern Medical Center	Medicine
	The University of Utah	Drug Delivery
	University College London	Nanotechnology & Regenerative Medicine
	University of California, Berkeley	Mechanical Engineering
	University of New Mexico	Medicine
	University of Toledo	Medicine (2)
	Washington University in St. Louis	Biomedical Engineering, Neuroscience
Yale University	Medicine & Biomedical Engineering	

CWRU Major	Graduate/Professional School	Intended Area of Study
Chemical Engineering	Case Western Reserve University	Artificial Intelligence, Chemical Engineering (2), Engineering and Management (4)
	Duke University	Engineering Management
	Stanford University	Chemical Engineering
	University of Illinois at Urbana-Champaign	Chemical and Biomolecular Engineering
Chemistry*	Case Western Reserve University	Dental Medicine (2), Medicine
	Cornell University	Chemical Engineering
	Harvard University	Dental Medicine
	Iowa State University	Chemistry
	Loyola University Chicago	Chemistry
	Notre Dame College	Education
	The Ohio State University	Chemistry, Medicine, Pharmacy (2)
	University of Chicago	Molecular Biosciences
	University of Cincinnati	Environmental Engineering
	University of Minnesota	Chemistry
University of Pittsburgh	Pharmacy	
Washington State University	Food Science, Medicine	
Civil Engineering	Case Western Reserve University	Civil Engineering (5), Structural Engineering (2)
	University of California, Berkeley	Environmental Engineering
	University of Michigan	Aerospace Engineering
	University of Pennsylvania	Architecture
Cognitive Science*	Case Western Reserve University	Bioethics, Biology, Cognitive Linguistics, Communication Sciences, Social Work
	The New School	Psychology
	University of Edinburgh	Dance Science
Economics*	Case Western Reserve University	World Literature
	Johns Hopkins University	Finance
	Michigan State University	MBA Finance
	New York University	Economics
	University of California, Berkeley	IEOR
	University of Chicago	Public Policy
	University of Louisville	Medicine
Vanderbilt University	Law	
Electrical Engineering	Case Western Reserve University	Computing and Information Science, Electrical Engineering (2)
	Cornell University	Electrical Engineering
	Duke University	Master of Engineering Management
English*	Arcadia University	Creative Writing
	Case Western Reserve University	Civil Engineering, Dental Medicine
	New York University	Cinema Studies
	University of Denver	Publishing
	University of Pittsburgh	Master of Library & Information Science

CWRU Major	Graduate/Professional School	Intended Area of Study
History*	Boston University	Dentistry
	Case Western Reserve University	Epidemiology
	Miami University	Law
	The Ohio State University	Law
	University of Pittsburgh	Law
Management*	Case Western Reserve University	Accountancy
	DePaul University	Counseling
	Johns Hopkins University	Business, Finance
	The University of Akron	Law
Mechanical Engineering*	Case Western Reserve University	Aerospace Engineering, Engineering, Engineering and Management (3), Mechanical Engineering (5)
	Harvard University	Mechanical Engineering
	Purdue University	Aerospace - Propulsion, Mechanical Engineering
	School of the Art Institute of Chicago	Architecture
	University of Miami	Computational Fluid Dynamics
	University of Michigan	Aerospace
Nutritional Biochemistry & Metabolism*	Boston University	Dentistry
	Case Western Reserve University	Nursing, Nutrition
	Ohio University	Medicine
	The Ohio State University	Medicine
	Wright State University	Medicine
Nutrition*	Case Western Reserve University	Medical Physiology, Nutrition
	Cleveland State University	Teacher Licensure
	Saint Louis University	Dietetics and Physical Performance
	The Ohio State University	Food Science & Technology
	Yale University	Dietetic Internship
Philosophy*	Arcadia University	Creative Writing
	Boston College	Law
	Case Western Reserve University	Bioethics, Medicine, World Literature
	Cleveland State University	Philosophy
Polymer Science & Engineering*	Case Western Reserve University	Engineering and Management, Macromolecular Science and Engineering, Polymer Science
	Georgia Institute of Technology	Material Science
	University Of Massachusetts Amherst	Polymer Science and Engineering
	University of Minnesota	Material Science

CWRU Major	Graduate/Professional School	Intended Area of Study
Psychology*	Case Western Reserve University	Cognitive Linguistics, Communication Sciences, Genetic Counseling, Medicine, Nutrition, Psychology, Social Work
	Drexel University	Medicine
	The New School	Psychology
	Northeast Ohio Medical University	Medicine
	Saint Louis University	Dietetics and Physical Performance
	Tsinghua University	Global Business Journalism
	University of Cincinnati	Medicine
	University of Denver	Publishing
	University of Oxford	International Development
	University of San Diego	Clinical Mental Health Counseling
	University of South Florida	Medical Sciences
	University of Wisconsin-Madison	Social Psychology
	Vanderbilt University	Speech-language Pathology

International Graduate Analysis

Data was collected for 61% (n=40) of the graduates who were international students. All of the international students who took the survey provided information about their plans for the future.

2013 International Students Post-Graduation Plans

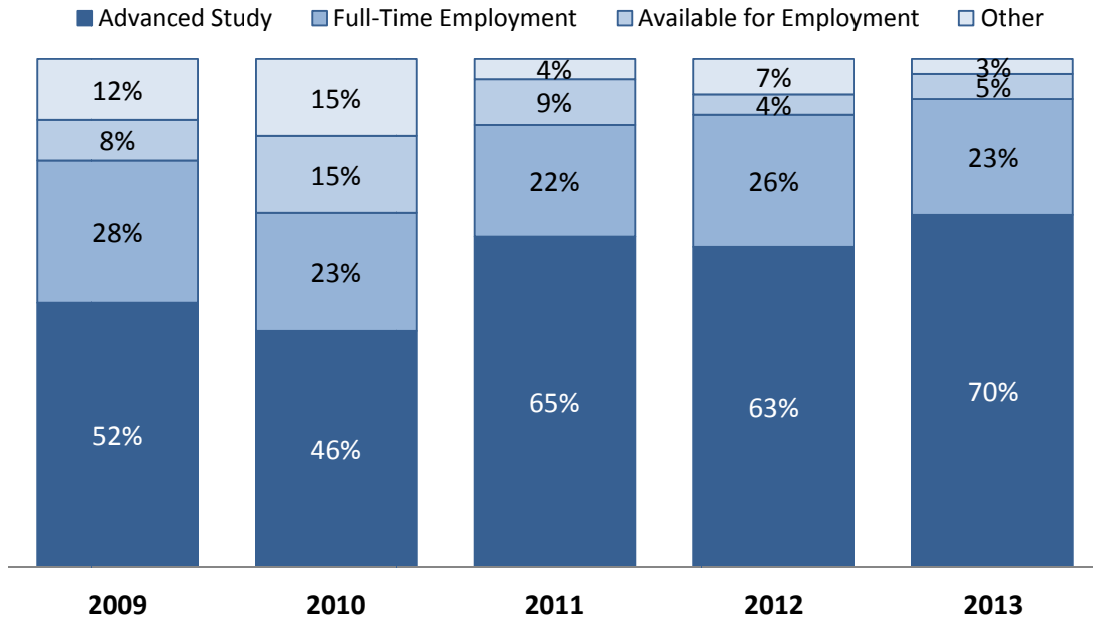


Table 11. International Students' Post-Graduation Plans

Post-Graduation Plans	2009	2010	2011	2012	2013	Trend
Advanced Study	52%	46%	65%	63%	70%	
Full-Time Employment	28%	23%	22%	26%	23%	
Available for Employment	8%	15%	9%	4%	5%	
Other	12%	15%	4%	7%	3%	
n	25	13	23	27	40	

Acknowledgements

Content: Robin Hedges, Career Center

Statistical Analysis and Content: Amanda Thomas, Planning and Institutional Research

Contributors: Career Center Staff; Faculty and Staff in the College of Arts and Science, Case School of Engineering, FPB School of Nursing, and Weatherhead School of Management.

Appendix A: First Destination Survey 2013

Name and Student ID (abc123)	Major(s)
Degree	Email Address
College	
<p>WHAT ARE YOUR PLANS FOR THE COMING YEAR?</p> <ul style="list-style-type: none"> ○ I HAVE ACCEPTED FULL-TIME EMPLOYMENT (proceed to Employment section – page 1). ○ I WILL ENTER GRADUATE OR PROFESSIONAL STUDIES (proceed to Graduate / Professional Studies section page 3). ○ I AM CONTINUING TO SEEK EMPLOYMENT (proceed to Seeking Employment section – page 4). ○ I AM STARTING MY OWN BUSINESS / SELF-EMPLOYED OR WORKING FREELANCE (proceed to Starting Own Business section – page 4). ○ I AM WORKING PART-TIME (proceed to Experiential Learning section – page 4). ○ I AM SERVING IN THE MILITARY FULL-TIME (proceed to Experiential Learning section – page 4). ○ I AM PERFORMING COMMUNITY SERVICE (proceed to Experiential Learning section – page 4). ○ I AM VOLUNTARILY UNEMPLOYED AND NOT SEEKING EMPLOYMENT (proceed to Experiential Learning section – page 4). ○ I AM TENDING TO FAMILY COMMITMENTS SUCH AS TAKING CARE OF CHILDREN AND/OR DEPENDENTS (proceed to Experiential Learning section – page 4). 	
EMPLOYMENT	
Employer	
Position	Location (City, State)
<p>Please select the industry that most closely matches your field.</p> <p> <input type="checkbox"/> Accounting <input type="checkbox"/> Art/Design/Performance <input type="checkbox"/> Business/Administration <input type="checkbox"/> Communication <input type="checkbox"/> Community Development <input type="checkbox"/> Construction <input type="checkbox"/> Consulting <input type="checkbox"/> Education/Teaching <input type="checkbox"/> Engineering <input type="checkbox"/> Entertainment <input type="checkbox"/> Financial Services <input type="checkbox"/> Government <input type="checkbox"/> Healthcare/Public Health </p>	

- Information Technology
- Manufacturing
- Marketing/Sales
- Medical Device
- Non-profit
- Nursing
- Politics/Law
- Research
- Science
- Social Services
- Sustainability/Green/Environment

In which region of the United States is the position located?

- Northeast
- Southeast
- Midwest
- Southwest
- West
- Outside the United States

When did you first receive your employment offer?

- By graduation
- Within 3 months after graduation
- More than 3 months after graduation

When did you first accept your employment offer?

- By graduation
- Within 3 months of graduation
- More than 3 months after graduation

What is your salary?

- Less than \$25,000
- \$25,000-\$29,999
- \$30,000-\$34,999
- \$35,000-\$39,999
- \$40,000-\$44,999
- \$45,000-\$49,999
- \$50,000-\$54,999
- \$55,000-\$59,999
- \$60,000-\$64,999
- \$65,000-\$69,999
- \$70,000-\$74,999
- \$75,000-\$79,999
- \$80,000-\$84,999
- \$85,000-\$89,999
- \$90,000-\$94,999
- \$95,000-\$99,999

Greater than \$100,000

Note: Any information concerning salary will be held in strict confidence.

Did you receive a signing bonus?

Yes

No

If yes, what was the amount of the signing bonus?

Will you receive any other form of guaranteed compensation?

Yes

No

If yes, how much will you receive?

Which of the following best describes the position you have accepted?

A college degree is required and the position is related to my field of study.

A college degree is required but the position is not related to my field of study.

A college degree is not required for this job, but the degree helped me to get it.

Having a college degree made no difference in getting this job.

Did you participate in any of the following activities? If yes, please indicate what company/organization:

Internship: _____

Practicum: _____

Co-op: _____

Did you obtain full-time employment at the host company because you participated in this experiential learning?

Yes

No

N/A

When did you begin your full-time job search:

Within the last 6 months

Six months before graduation

Nine months before graduation

One year before graduation

More than one year before graduation

Please proceed to experiential learning section

GRADUATE / PROFESSIONAL STUDIES

Institution

Area of Study

Degree

- Interpersonal Skills (relates well to others)
- Strong Work Ethic
- Team Work Skills (works well with others)
- Analytical Skills
- Motivation / Initiative
- Flexibility / Adaptability

- Detail Oriented
- Leadership Skills
- Organizational Skills
- Self-confidence
- Technical or Job Content Skills

CAREER CENTER

How often have you utilized the Career Center?

- Regularly
- Occasionally
- Sometimes
- Never

Which services did you use?

- On-campus interviewing
- Career Counseling/MBTI/Strong Interest Inventory
- Drop-In/Consulting Hours
- Resume/Cover Letter/CV Review
- Job Search
- Internship/Practicum
- Graduate School Planning
- Alumni Career network/Shadowing

How helpful was the Career Center?

- Very helpful
- Helpful
- Somewhat helpful
- Not very helpful
- Not at all helpful

OTHER

Do you want to be on the CWRU Alumni Career Network (made up of Case alumni who can provide career information and related assistance to current students)?

- Yes
- No

Please provide the following information: (This information is voluntary and not required. If you choose to provide your current email address and home address, please be aware we will share this with Alumni Relations):

Current e-mail address:

Home address:

Thank you very much for completing the First Destination Survey!