Class of 2017
FDS
First Destination Survey

CASE
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UNIVERSITY
EST. 1826

think beyond the possible™

First Destination Survey Report
Class of 2017

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Executive Summary

More members of the Case Western Reserve University (CWRU) graduating class of 2017 chose to enter the workplace (53%) than pursue advanced degrees (37%). This is only the second time in ten years that 50% or more of the class entered the workforce directly upon graduation (the only other time was with the class of 2015). For those beginning their careers, the highest numbers entered, in descending order, the fields of engineering, nursing, information technology, research, and financial services. In smaller numbers, they also chose work in education/teaching, accounting, and healthcare/public health.

Cleveland (122) remained the most popular destination for graduates beginning their careers, followed in large numbers by San Francisco (33) and New York City (29). Impressive numbers were also drawn to other urban settings including Washington, DC, Boston, Chicago, and Los Angeles. Fifteen graduates accepted offers outside the United States including China (4), Japan (2), and the Czech Republic, Germany, India, Peru, South Africa, and the United Arab Emirates, with one graduate each.

Overall, the number of graduates pursuing an advanced degree was down four percentage points from last year, with a particularly noteworthy change in the number of graduates entering medical school: 13% of advanced degree seekers, down 23% from last year. Otherwise, the quality and diversity of universities and disciplines remained impressive.

Additional Highlights
- Post-graduation plan data was collected for 86% of 2017 graduates (n=1,026/1,200).
- Forty-four percent of graduates continuing on to graduate/professional school chose to study at CWRU, up from 35% for the class of 2016.
- Graduates were accepted into a number of impressive graduate and professional schools including: Columbia University (12), Ohio State University (12), Johns Hopkins University (7), Cornell University (6), Carnegie Mellon University (5), Northwestern University (5), University of Massachusetts (5), and the University of Pennsylvania (5).
- Of the graduates who responded to the questions about experiential learning, 98% said they participated in at least one activity.
- Eighty-one percent of graduates who went on to full-time employment indicated their position required a college degree and was related to their field of study.
- Select organizations that hired multiple members of the Class of 2017 included: the Cleveland Clinic (21), University Hospitals (20), Case Western Reserve University (14), MIM Software (10), Hyland Software (9), Accenture (8), Microsoft (8), Zimmer Biomet (7), Deloitte Consulting (6), Google (6), KeyBank (6), Progressive (6), and Teach for America (6).
- The median salary range for the Class of 2017 was $60,000 - $64,999, an increase of $5,000 from last year. Median salary ranges by college/schools were as follows:
  - Arts and Sciences: $35,000-39,999, a $5,000 increase from last year
  - Engineering: $65,000-69,999, a $5,000 increase from last year
  - Management: $55,000-59,999, no change from last year
  - Nursing: $50,000-54,999, no change from last year

I hope you'll take time to read more about the next steps chosen by the class of 2017 as they entered the next phase of their lives.

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

Methodology

The 2017 First Destination Survey was distributed to 1,200 graduating seniors using a web-based technique. Students who initially indicated they were still available for employment received a follow up survey. Overall, 57% (n = 685) of seniors responded to the two surveys. Post-graduation outcomes data were also collected from faculty, staff, social media, and other online sources (e.g., academic program websites) to determine the knowledge rate, the percentage of graduates for whom we have knowledge about their first-destination career outcomes. In total, post-graduation career outcomes data were collected for 86% of graduates (n = 1,026/1,200).

The First Destination Survey was distributed in three stages throughout the academic year: August 2016, January 2017, and May 2017. An email was sent to graduates with a link to the survey beginning approximately two weeks prior to the end of the semester, and continued to be sent every two weeks to all non-respondents through October 2017.

Appendix A includes a copy of the First Destination Survey used to capture the information contained in this report. The survey was administered using Qualtrics, an assessment vendor contracted by Case Western Reserve University.

Post-Graduation Plans

Primary Post-graduation Plans
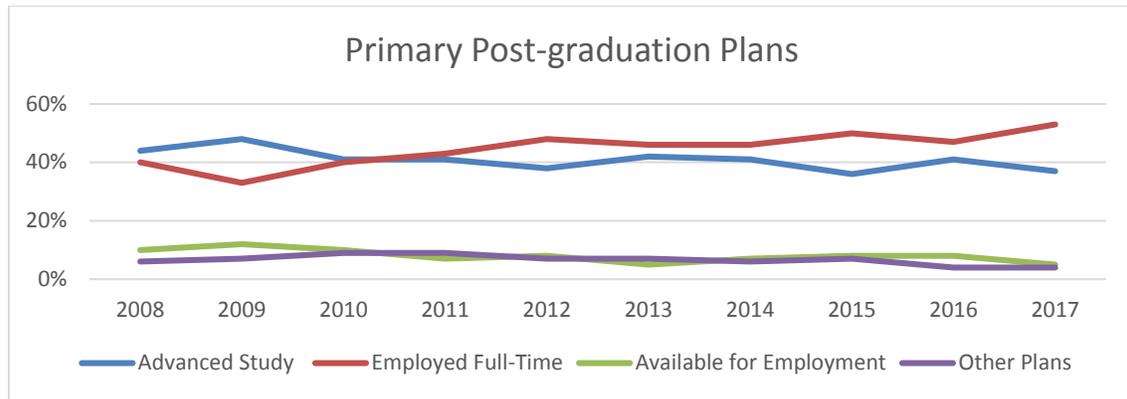
Primary Plan for After Graduation	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Advanced Study	44%	48%	41%	41%	38%	42%	41%	36%	41%	37%
Employed Full-Time	40%	33%	40%	43%	48%	46%	46%	50%	47%	53%
Available for Employment	10%	12%	10%	7%	8%	5%	7%	8%	8%	5%
Other Plans	6%	7%	9%	9%	7%	7%	6%	7%	4%	4%

Sixteen percent (n = 160) of respondents reported they plan to work full-time or part-time and simultaneously attend graduate or professional school.

Employment

Job Qualifications

Fifty-three percent (n = 540) of graduates accepted full-time employment and 335 (62%) of them provided a response to whether or not a college degree was required for their jobs. Of those who answered the question, 92% said their degree was required for their position and 81% said their position was also related to their field of study.
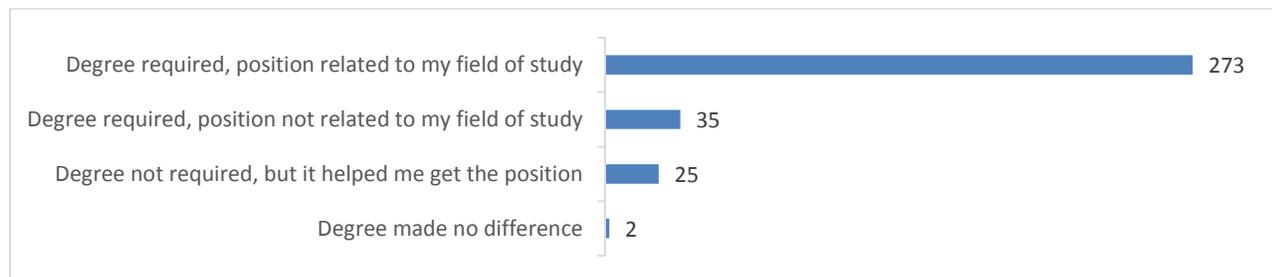
Position Function

Three-hundred sixty-seven (68%) respondents provided their position function, as shown in the table below.

Position Function	n	%	Position Function	n	%
Accounting	14	4%	Information Technology	25	7%
Business/Administration	10	3%	Manufacturing	1	0%
Community Development	2	1%	Marketing/Sales	8	2%
Construction	2	1%	Medical Device	3	1%
Consulting	21	6%	Non-profit	2	1%
Education/Teaching	19	5%	Nursing	44	12%
Engineering	143	39%	Politics/Law	3	1%
Entertainment	1	0%	Research	23	6%
Financial Services	23	6%	Science	4	1%
Government	2	1%	Social Services	2	1%
Healthcare/Public Health	13	4%	Sustainability/Green/Environment	2	1%

Business Ventures

Eleven graduates indicated they were starting their own business, self-employed, or working freelance. Nine individuals provided a description of their work:

- Freelance game development
- Freelance web engineer and consultant
- Freelance web development
- Landscape design
- Running a sports agency and operating a baseball training facility
- Data science consulting firm
- Co-owner and Director of Marketing for BigPie, a company that partners non-profits and schools with local businesses to create giveback events
- Cryptocurrency fund
- Photography business

Employers

Of the 540 CWRU graduates who reported accepting full-time employment, 528 (98%) provided the name of their employer. They were employed at 339 different organizations, with 58 hiring two or more CWRU graduates. These employers included a wide variety of Fortune 500, government, non-profit, and private sector employers, a sample of which appear in the table below.

Accenture	Japan Teaching & Exchange Program	Pratt and Whitney
Amazon	Johns Hopkins All Children's Hospital	PwC
AT&T	JP Morgan Chase & Co.	Precision Castparts Corp.
Avery Dennison	KeyBank	Procter & Gamble
Boeing	KPMG	Progressive
Children's Hospital Los Angeles	Lubrizol Corporation	Raytheon
Children's National Medical Center	McKinsey & Company	Rockwell
City Year	Medtronic	Saint-Gobain
Cleveland Clinic	Microsoft Corporation	Sandia National Laboratories
Deloitte	Morgan Stanley	Sherwin-Williams
Duke University Hospital	NASA	Stryker
Eaton Corporation	National Institutes of Health	Teach For America
Ernst & Young	Nationwide Children's Hospital	Tektronix
Everykey	NBC Universal	Texas Children's Hospital
Ford Motor Company	Northwestern Memorial Hospital	U.S. Department of Energy
Fulbright	Parker Hannifin	UCLA Health
General Electric	Peace Corps	UPMC Children's Hospital
Google	Pfizer	Vanguard
Hyland, creator of OnBase	Philips	Yelp
IBM Watson Health	PNC Financial Services	Zimmer Biomet

Job Locations

Of the 540 graduates who accepted full-time employment, 97% (n = 523) provided information about the location of their position. Graduates reported accepting jobs in 39 states plus Washington, DC, and nine different countries.

Fifty-three percent (n = 275) accepted positions in the Midwest United States.[1] Forty-two percent (n = 219) of graduates accepted positions in Ohio. Of those who accepted positions in Ohio, 88% (n = 192) are working in northeast Ohio.

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[1] Regions were determined based on the U.S. Census Bureau document, *Census Regions and Divisions of the United States*. Retrieved February 8, 2018.

Outside of Ohio, the top locations where graduates accepted jobs were California, Illinois, Indiana, Maryland, Massachusetts, Michigan, New York, Pennsylvania, Washington, and Washington, DC.
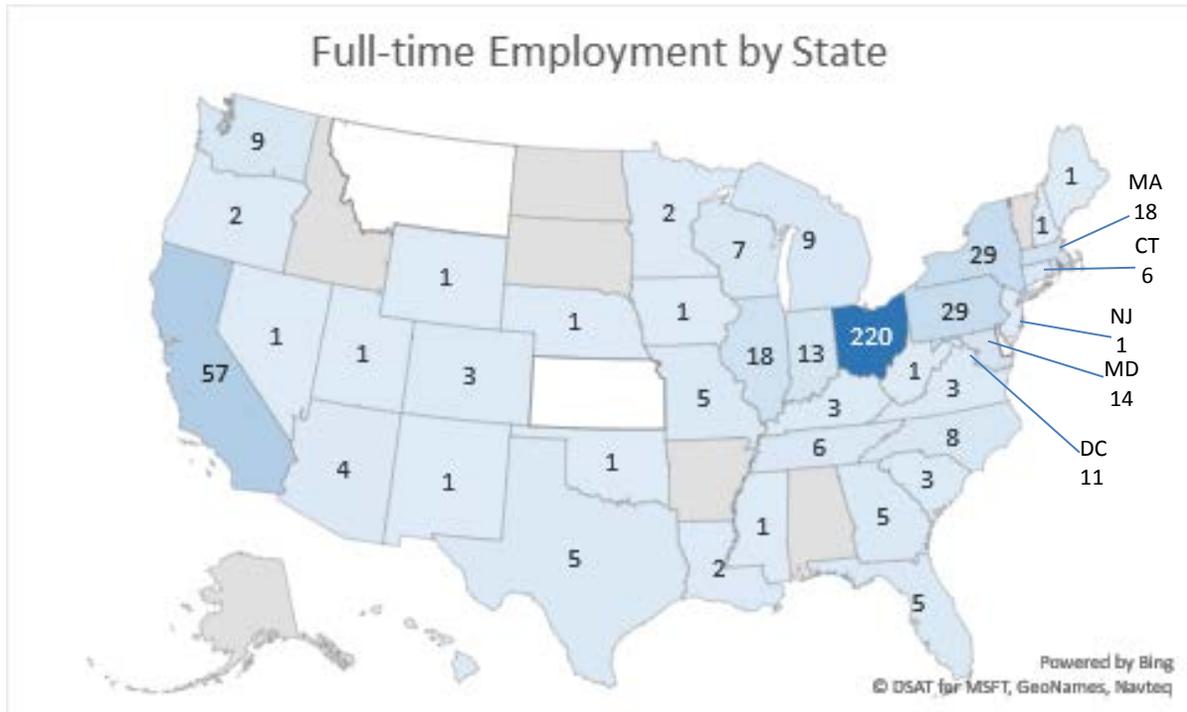
The metropolitan areas with the greatest number of hires are listed in the table below.

Metro Area	n	Metro Area	n
Cleveland-Northeast Ohio	192	Columbus	14
San Francisco-Bay Area	33	Philadelphia	11
New York	29	Pittsburgh	10
Washington, DC	21	Seattle	9
Boston	19	Baltimore	7
Chicago	18	Detroit	7
Los Angeles	18	Warsaw, Indiana	7

Fifteen graduates accepted full-time employment outside the United States and fourteen provided the name of the country, listed below:

Country	n	Country	n
China	4	India	1
Japan	2	Peru	1
Canada	1	South Africa	1
Czech Republic	1	United Arab Emirates	1
Germany	1		

Starting Salaries

Sixty-three percent (n = 338) of graduates who accepted full-time employment provided their salary information. The median salary range for the Class of 2017 was $60,000-$64,999, an increase from $55,000-$59,999 last year.

Class of 2017: Starting Salaries

Salary Range	Count
Less than $25,000	20
$25,000-$29,999	12
$30,000-$34,999	19
$35,000-$39,999	11
$40,000-$44,999	18
$45,000-$49,999	25
$50,000-$54,999	36
$55,000-$59,999	27
$60,000-$64,999	48
$65,000-$69,999	32
$70,000-$74,999	32
$75,000-$79,999	16
$80,000-$84,999	9
$85,000-$89,999	5
$90,000-$94,999	3
$95,000-$99,999	5
Greater than…	20

Graduate/Professional Schools

Of the 378 graduates who marked advanced study as their primary plan, 98% (n = 371) provided the name of their graduate/professional school. The list below highlights some of the institutions they chose to attend.

Boston College	Rice University
Boston University (2)	Royal Danish Academy of Music
Brandeis University	Rutgers, The State University of New Jersey (4)
Brown University	Stanford University (3)
Carnegie Mellon University (5)	Tufts University
Case Western Reserve University (166)	University College London
Columbia University (12)	University of California, Berkeley
Cornell University (6)	University of California, Los Angeles (2)
Dartmouth College	University of Chicago (3)
Duke University (2)	University of Massachusetts (5)
Emory University (2)	University of Michigan (4)
Georgetown University	University of Pennsylvania (5)
Georgia Institute of Technology	University of Rochester
Imperial College London	University of Southern California (3)
Johns Hopkins University (7)	University of Texas at Austin (2)
New York University (4)	University of Toronto
Northeastern University	University of Virginia (3)
Northwestern University (5)	University of Notre Dame (2)
Ohio State University (12)	Washington University in St. Louis (3)
Princeton University (2)	Yale University

Law School

Of the 378 students who marked advanced study as their primary plan after college, 3% (n = 14) said they were going to law school. Their chosen universities included:

Case Western Reserve University (4)

Cleveland State University

Lewis & Clark College

Ohio State University (3)

University of Cincinnati

University of Illinois at Urbana-Champaign

University of Maryland

University of San Diego

University of Southern California

Medical School

Thirteen percent (n = 49) of graduates who plan to pursue advanced study indicated they will attend medical school.[2] Forty-eight shared which institution they will attend. More specifically, graduates chose to attend the following medical schools:

Case Western Reserve University (13)

Drexel University

Indiana University

Kent State University

Lake Erie College of Osteopathic Medicine (2)

Louisiana State University, New Orleans

Loyola University

New York Institution of Technology

New York University

Northeast Ohio Medical University

Northwestern University

Ohio State University (2)

Ohio University (2)

Pennsylvania State University

Rutgers University (4)

Texas A&M University

University at Buffalo, State University of New York

University of Illinois at Chicago (2)

University of Missouri

University of Pennsylvania

University of Southern California

University of Texas at Houston

University of Toledo (2)

University of Virginia

Unknown/Undetermined (3)

Washington University in St. Louis

Dental School and Other Health Professions

Five percent (n = 20) of graduates planning to pursue advance study specified they will attend professional school for audiology, dental medicine/dentistry, optometry, pharmacy, and veterinary medicine, and 19 provided information regarding their institution. Graduates chose to attend the following institutions and programs:

Case Western Reserve University (4)

Medical University of South Carolina

New York Medical College

Ohio State University (4)

Dental medicine/dentistry (4)

Dental medicine/dentistry

Dental medicine/dentistry

Audiology, Optometry, Pharmacy, Veterinary Medicine

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[2] Planned to pursue M.D. or D.O. degrees.

Rush University	Audiology
Temple University	Dental medicine/dentistry
University at Buffalo, State University of New York	Dental medicine/dentistry
University of Cincinnati	Audiology
University of Michigan	Dental medicine/dentistry
University of Missouri	Veterinary Medicine
University of Pennsylvania	Veterinary Medicine
Unknown/Undetermined	Dental medicine/dentistry
Virginia Commonwealth University	Pharmacy

Scholarships and Fellowships

Graduates were awarded a number of prestigious scholarships and fellowships including the following:

Churchill Scholarship
National Science Foundation Graduate Research Fellowship (4)
Woodrow Wilson Teaching Fellowship

In addition, many graduates received competitively-awarded scholarships, fellowships, and/or tuition awards from their graduate or professional school.

Experiential Learning

Participation

Six hundred eighty-one graduates answered the questions about their participation in experiential learning. Of those who responded to the questions, 98% (n = 668) participated in at least one form of experiential learning.

Class of 2017: Participation in Experiential Learning			
98% At least one activity (n = 668)	82% Research/Creative Endeavor (n = 551)	62% Internships (n = 413)	52% Community Service (n = 350)
28% Study Abroad (n = 190)	17% Co-op (n = 116)	9% Nursing Practicum/ Clinicals (n = 57)	4% Career Center Practicum (n = 27)

Participation in Experiential Learning

Percentage of Graduates (y-axis)

Number of Experiential Learning Activities	Percentage
0	2%
1	14%
2	35%
3	31%
4	15%
5+	2%
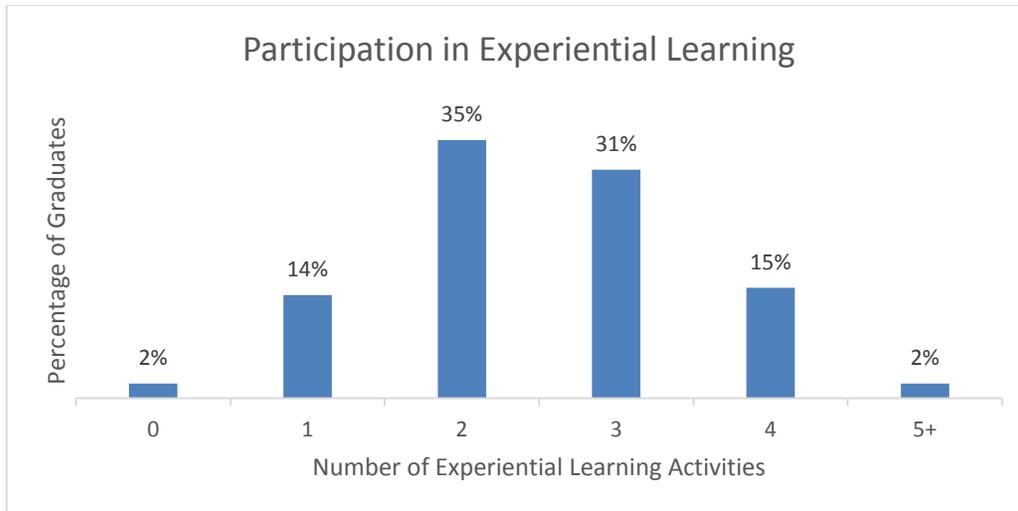
The most popular activities, by school or college, were as follows: [3]

- Arts and Sciences: research with CWRU faculty and community service
- Engineering: internships and research with CWRU faculty
- Management: internships and community service
- Nursing: nursing practicum/clinicals and community service

Experiential Learning Participation by College/School: n=number of respondents to EL questions	Arts & Sciences (n=258)		Engineering[4] (n=314)		Management [5] (n=96)		Nursing (n=46)	
Participated in at least one activity	252	98%	310	99%	93	97%	46	100%
Career Center Practicum	8	3%	4	1%	14	15%	1	2%
Community Service	154	60%	145	46%	37	39%	29	63%
Cooperative Education	5	2%	115	37%	0	0%	0	0%
Creative Endeavor	133	52%	133	42%	41	43%	17	37%
Independent Research	92	36%	56	18%	19	20%	4	9%
Internship	125	48%	219	70%	80	83%	14	30%
Nursing Practicum/Clinicals	11	4%	1	0%	0	0%	46	100%
Research Outside of CWRU Faculty	58	22%	58	18%	2	2%	6	13%
Research with CWRU Faculty	174	67%	197	63%	24	25%	18	39%
Study Abroad	83	32%	73	23%	29	30%	17	37%

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[3] 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.
[4] Includes students who were awarded a degree in computer science.
[5] Includes students who were awarded a degree in economics.

Results of Participation

Two hundred twenty four graduates from the Class of 2017 received at least one job offer and 160 accepted a job offer as a result of their experiential learning activities. Additionally, respondents from the Class of 2017 reported receiving a total of 223 offers for positions they worked while in school (e.g., internship, part-time job) or over breaks.

Class of 2017: Number of Graduates Who Received Post-Graduation Offers as a Result of Experiential Learning Activities			
224 Received *at least one* job offer		**160** Accepted *at least one* job offer	
70% Received one Offer (n=157)	19% Received two Offers (n=42)	7% Received three offers (n=15)	1% Received four or more offers (n=3)

Experiential Learning Participation and Post-Graduation Job Offers by College/School[6]		Internship	Practicum	Co-op	Nursing Practicum or Clinicals	Community Service	Study Abroad	Research or Creative Endeavor
CAS	Participants	125	8	5	11	154	83	235
	Job offers	31	1	3	1	13	8	45
	Acceptances	21	1	1	1	12	6	34
ENG[7]	Participants	219	4	115	1	145	73	256
	Job offers	75	0	42	0	4	4	43
	Acceptances	52	0	16	0	3	4	30
MGT[8]	Participants	80	14	0	0	37	29	56
	Job offers	33	6	0	0	0	2	6
	Acceptances	23	4	0	0	0	2	5
NUR	Participants	14	1	0	46	29	17	30
	Job offers	5	0	0	21	2	4	1
	Acceptances	4	0	0	18	2	3	1

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[6] Students who earned degrees from more than one school/college are included in the counts for each school/college in which they earned a degree. Offers for jobs worked while attending college (e.g, internships, part-time employment) were excluded.
[7] Includes students who earned a degree in computer science.
[8] Includes students who earned a degree in economics.

Results by School

Post-Graduation Plans

Future Plans by School

	Arts & Sciences		Engineering[9]		Management[10]		Nursing		All Graduates[11]	
Employed Full-Time	148	39%	269	60%	90	53%	70	95%	540	53%
Advanced Study	185	49%	141	31%	65	38%	2	3%	378	37%
Available for Employment	19	5%	30	7%	4	2%	2	3%	54	5%
Other	26	7%	10	2%	10	6%	0	0%	44	4%
Total Responses	378		450		169		74		1016	
Total Graduates	481		523		187		75		1200	
Knowledge Rate	79%		86%		90%		99%		85%	

Results by Major

Post-Graduation Plans

Seventy-seven percent (n = 924) of students graduated with one major; 23% (n = 270) with two majors; and 1% (n = 6) with three majors. The next table describes graduates' plans by major.[12] Graduates' responses are counted once for each of their earned majors, for a total of 1,482 responses.

Future Plans by Major

	Total Graduates	Total Respondents	Knowledge Rate	Employed Full-time		Advanced Study		Available for Employment		Other	
Accounting	63	60	95%	22	37%	33	55%	2	3%	3	5%
Aerospace Engineering	28	21	75%	12	57%	6	29%	2	10%	1	5%
Anthropology	29	26	90%	9	35%	15	58%	0	0%	2	8%
Applied Mathematics	11	9	82%	1	11%	7	78%	1	11%	0	0%
Art History	11	8	73%	3	38%	2	25%	1	13%	2	25%
Biochemistry	55	42	76%	17	40%	23	55%	0	0%	2	5%
Biology	73	56	77%	16	29%	31	55%	5	9%	4	7%

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[9] Includes students who earned a degree in computer science.

[10] Includes students who earned a degree in economics.

[11] The school/college totals do not add up to the total in the all graduates column because students are counted once for each of their schools.

[12] Majors that do not 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 excluded. Majors with fewer than five responses include: Art Education, Asian Studies, Astronomy*, Classics, Dance, Dean's Approved Major, Environmental Studies, Evolutionary Biology, French, French & Francophone Studies, Geological Sciences, German, History & Philosophy of Science, Japanese Studies, Management*, Music Education, Natural Sciences, Pre-Architecture, Religious Studies, Systems & Control Engineering*, Systems Biology, World Literature.

Biomedical Engineering	125	112	90%	44	39%	61	54%	5	4%	2	2%
Business Management	20	16	80%	6	38%	5	31%	0	0%	5	31%
Chemical Biology	9	7	78%	2	29%	5	71%	0	0%	0	0%
Chemical Engineering	67	59	88%	39	66%	13	22%	7	12%	0	0%
Chemistry	29	17	59%	5	29%	10	59%	1	6%	1	6%
Civil Engineering	21	17	81%	11	65%	4	24%	1	6%	1	6%
Cognitive Science	30	23	77%	10	43%	10	43%	3	13%	0	0%
Communication Sciences	10	10	100%	1	10%	9	90%	0	0%	0	0%
Computer Engineering	24	19	79%	13	68%	4	21%	1	5%	1	5%
Computer Science	101	87	86%	66	76%	11	13%	7	8%	3	3%
Economics	39	35	90%	24	69%	9	26%	1	3%	1	3%
Electrical Engineering	43	34	79%	18	53%	15	44%	0	0%	1	3%
Engineering Physics	11	8	73%	2	25%	6	75%	0	0%	0	0%
English	22	18	82%	9	50%	7	39%	0	0%	2	11%
Finance	58	55	95%	34	62%	19	35%	0	0%	2	4%
History	10	9	90%	4	44%	5	56%	0	0%	0	0%
International Studies	13	12	92%	6	50%	2	17%	1	8%	3	25%
Marketing	29	25	86%	15	60%	6	24%	1	4%	3	12%
Materials Science & Engineering	15	13	87%	8	62%	4	31%	1	8%	0	0%
Mathematics	22	17	77%	9	53%	6	35%	0	0%	2	12%
Mathematics and Physics*	7	6	86%	1	17%	5	83%	0	0%	0	0%
Mechanical Engineering	102	85	83%	60	71%	17	20%	7	8%	1	1%
Music	17	17	100%	7	41%	8	47%	0	0%	2	12%
Nursing	75	74	99%	70	95%	2	3%	2	3%	0	0%
Nutrition	12	10	83%	4	40%	3	30%	1	10%	2	20%
Nutritional Biochemistry & Metabolism	16	13	81%	1	8%	10	77%	0	0%	2	15%
Philosophy	6	6	100%	1	17%	4	67%	0	0%	1	17%
Physics	18	12	67%	6	50%	5	42%	1	8%	0	0%
Political Science	28	23	82%	10	43%	7	30%	4	17%	2	9%
Polymer Science & Engineering	29	26	90%	15	58%	9	35%	1	4%	1	4%
Professional Studies	6	6	100%	0	0%	6	100%	0	0%	0	0%

Psychology	92	76	83%	31	41%	33	43%	6	8%	6	8%		
Sociology	22	17	77%	8	47%	8	47%	0	0%	1	6%		
Spanish	7	5	71%	3	60%	2	40%	0	0%	0	0%		
Statistics	17	16	94%	12	75%	4	25%	0	0%	0	0%		
Teacher Education	8	5	63%	5	100%	0	0%	0	0%	0	0%		
Theater	9	8	89%	5	63%	1	13%	0	0%	2	25%		

Starting Salaries

Of the 338 graduates who shared their salary information, 78% (n = 265) graduated with one major, and 20% (n = 73) graduated with two majors. The next table provides salaries by major.[13] Students with more than one major are counted once for each of their earned majors for a total of 411 responses[14].

Salaries by Major

	< $30K	$30K -34K	$35K -39K	$40K -44K	$45K -49K	$50K -54K	$55K -59K	$60K- 64K	$65K -69K	$70K -74K	$75K -79K	$80K -84K	$85K -89K	> $90K
Accounting ($51,632)	0	0	0	1	2	3	2	3	1	0	0	0	0	1
Aerospace Engineering ($65,383)	0	0	1	0	0	1	0	0	3	3	0	1	0	0
Anthropology (36,032)	3	0	0	0	0	1	0	0	0	0	0	0	1	0
Biochemistry (38,229)	5	3	0	0	0	0	0	0	0	0	0	0	1	0
Biology ($33,052)	2	4	0	1	0	0	0	0	0	0	0	0	0	0
Biomedical Engineering ($61,628)	1	2	2	1	2	1	1	4	4	5	1	1	0	2
Chemical Engineering ($67,442)	0	1	0	0	2	2	0	6	4	8	1	0	0	0
Civil Engineering ($56,194)	0	0	0	0	0	1	3	1	1	0	0	0	0	0
Cognitive Science ($37,604)	2	3	1	0	1	0	0	1	0	0	0	0	0	0
Computer Engineering ($72,710)	0	0	0	0	0	0	2	1	1	1	3	0	1	1

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[13] National salary averages were taken from the Fall 2017 Salary Survey report from the National Association of Colleges and Employers.

[14] Majors that do not 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 excluded. Majors with fewer than five responses include: Applied Mathematics, Art Education, Art History, Asian Studies, Astronomy*, Business Management, Chemical Biology, Chemistry, Classics, Communication Sciences, Dance, Dean's Approved Major, Engineering Physics, Environmental Studies, Evolutionary Biology, French, French & Francophone Studies, Geological Sciences, German, History, History & Philosophy of Science, International Studies, Japanese Studies, Management*, Mathematics & Physics*, Music, Music Education, Natural Sciences, Nutrition, Nutritional Biochemistry & Metabolism, Philosophy, Pre-Architecture, Professional Studies, Religious Studies, Spanish, Systems & Control Engineering*, Systems Biology, Teacher Education, Theater, World Literature.

Major (Salary)													
Computer Science ($78,038)	0	0	1	0	0	3	1	8	0	1	4	3	1	24
Economics ($52,685)	3	0	1	1	0	2	3	0	3	0	0	0	0	2
Electrical Engineering ($68,187)	0	0	0	0	0	1	1	3	0	2	0	0	1	1
English ($37,971)	2	0	1	1	1	0	0	0	0	1	0	0	0	0
Finance ($53,688)	1	0	0	2	1	1	4	1	2	2	5	0	1	0
Marketing ($44,612)	0	1	0	0	0	1	0	2	2	0	0	0	0	0
Materials Science & Engineering ($69,105)	0	0	0	0	0	0	1	1	4	0	0	0	0	0
Mathematics ($53,604)	1	0	0	2	0	1	2	1	0	0	0	0	0	1
Mechanical Engineering ($63,129)	1	0	1	0	1	2	4	11	7	7	1	4	0	0
Nursing ($54,810)	0	1	1	5	13	13	5	3	2	1	0	1	0	0
Physics ($53,024)	1	1	1	1	0	0	0	1	0	0	0	0	0	0
Political Science ($43,838)	4	0	1	1	0	0	0	1	1	1	0	0	0	0
Polymer Science & Engineering ($57,714)	0	0	0	1	1	0	1	3	0	3	1	0	0	0
Psychology ($34,276)	10	3	2	0	0	1	0	0	0	1	0	0	0	0
Sociology ($37,841)	3	0	1	0	0	0	1	0	1	0	0	0	0	0
Statistics ($47,410)	0	0	0	0	1	5	0	0	3	0	0	0	0	0

Employers

The next table describes students' employers by major[15].

Employers by Major

Accounting	AML RightSource	KPMG
	Cerner Corporation	Meaden & Moore
	Cohen & Company (2)	Nobel Learning Community, Inc.
	Cuyahoga Community College	Ohio State Auditors
	Deloitte Accounting	Orion Worldwide
	Eaton Corporation	PricewaterhouseCoopers (2)
	Ernst & Young (2)	RSM US LLP
	Financial Accounting Foundation	Shasta Pools and Spas
	HSBC	Trinity Partners
	KeyBank	
Aerospace Engineering	Allen Aircraft	Pensa
	American Axle and Manufacturing	Pratt and Whitney
	Blue Origin	SIFCO Forge
	Ford Motor Company	Space and Missile Systems Center
	Hanley Flight & Zimmerman LLC	U.S. Navy
	Parker Hannifin	United Technologies (UTC)
Anthropology	Accenture	China Central Television and China Radio International
	Alden & Athletico Physical Therapy	Legacy Entertainment
	AmeriCorps	ScribeAmerica
	Bread for the City	UC San Francisco, Center for Vulnerable Populations
	Case Western Reserve University	
Biochemistry	Accenture	National Institute of Allergy and Infectious Diseases (NIAID)
	Bernie Moreno Companies	National Institutes of Health (4)
	Case Western Reserve University (4)	Novozymes
	Children's Hospital of Philadelphia	ScribeAmerica
	Cleveland Clinic	Thomas Jefferson University
Biology	Alden & Athletico Physical Therapy	Oak Street Health
	Case Western Reserve University	Ohio State University
	Children's Hospital of Philadelphia	Open Doors Academy
	CityMD Urgent Care	Pace Analytical
	Cleveland Clinic	PsychBC
	Emergency Medical Associates	ScribeAmerica
	Johns Hopkins Bayview Medical Center	University of Iowa Hospitals and Clinics

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[15] Graduates' employers are listed once for each of their earned majors. Majors that do not include at least one student with multiple majors are marked with an asterisk. Majors with fewer than five responses include: Applied Mathematics, Art Education, Art History, Asian Studies, Astronomy*, Chemical Biology, Classics, Communication Sciences, Dance, Dean's Approved Major, Engineering Physics, Environmental Studies, Evolutionary Biology, French, French & Francophone Studies, Geological Sciences, German, History, History & Philosophy of Science, Japanese Studies, Management*, Mathematics & Physics*, Music Education, Natural Sciences, Nutrition, Nutritional Biochemistry & Metabolism, Philosophy, Pre-Architecture, Professional Studies, Religious Studies, Spanish, Systems & Control Engineering*, Systems Biology, World Literature.

Biomedical Engineering	3D Systems Corporation	Parker Hannifin
	Alpha Phi International Fraternity	Pfizer
	Applied Medical (2)	Philips (2)
	Avedro, Inc.	Siemens Healthineers
	BioClinica	Stryker
	Deloitte Consulting (2)	Teach For America
	General Electric	Trinity Partners
	Hemsworth Capital Management LLC	University Hospitals
	IBM UrbanCode	University of Louisiana at Lafayette
	Medacta	University of Pittsburgh
	Medical Solutions, Inc.	Value Labs
	Medtronic (3)	Vanderbilt University Institute of Imaging Science
	MIM Software (3)	Viewray Inc.
	Nationwide Children's Hospital	Vivorte, Inc.
	NeuWave Medical - A subsidiary of JnJ	West Windsor-Plainsboro Regional School District
	Nevro	
	Ortho Clinical Diagnostics	Zimmer Biomet (5)
Business Management	Hyland Software (2)	MediaCom
	JP Morgan Chase & Co.	U.S. Department of Veteran Affairs
	McKinsey & Company	
Chemical Engineering	Amazon	Hyland Software
	Army Public Health Center	Lincoln Electric Company
	ASHTA Chemical	Lockheed Martin
	Aspen Technology	Lubrizol Corporation
	Avery Dennison (2)	Neograf Solutions, LLC
	BASF	Neundorfer
	Case Western Reserve University	Novozymes
	Chase Plastic Services Inc.	Parker Hannifin
	Deloitte Consulting	Pfizer
	DNV GL	Plastipak Packaging
	Ecolab	PPG Industries
	Edeniq	Procter & Gamble (2)
	EdgeBio	Saint-Gobain
	Epic Systems (2)	Silicon Valley Accountants
	Fives North American Combustion	SolEpoxy
	Goldinov & McCauley, PLC	Teach For America
	Goodyear Tire & Rubber Company	Waltz Brothers
	Henkel (2)	
Chemistry	Cleveland Clinic	PPG Industries
	Covestro	Teach For America
	Japan Exchange and Teaching Program (JET)	
Civil Engineering	Albert M. Higley Co. (The)	Johnson Mirmiran and Thompson
	Buckeye Business Products	Kiewit
	Civil and Environmental Consultants	LendLease Construction
	Diversified Engineering, Inc.	Shook Construction Co.
	EDRI Construction	Stantec
	HDR Inc.	

Cognitive Science	Better Together Solar	Rockwell Automation
	Cleveland Clinic (2)	Stanford University
	Mathematica Policy Research	Teach For America
	Medical University of South Carolina	University of Pennsylvania School of Medicine, Department of Psychiatry
	Open Doors Academy	
Computer Engineering	AMETEK, Inc.	Patriot Software
	ASRC Federal	Raytheon
	AT&T	Revature
	Captech	Stealth Mode Startup Company
	Google (2)	ThoughtWorks
	Koinonia Homes, Inc.	
Computer Science	Accenture	Intuit
	Acumen Solutions	Lawrence Livermore National Laboratory
	Amazon (2)	Macy's, Inc.
	Amtrust North America	Microsoft Corporation (7)
	Battelle Memorial Institute	MIM Software (7)
	Bobsweep	Patriot Software
	Case Western Reserve University	Progressive
	Eaton Corporation	Salesforce (2)
	Everykey	Snapchat
	Federal Reserve Bank of Cleveland	TCS (Tata Consultancy Service)
	General Electric	Telarix
	Google (4)	TMW Systems
	Harris Corp.	Tock
	Hyland Software (6)	Uber
	IBM UrbanCode (4)	Vanguard
	IBM Watson Health (2)	Yelp, Inc. (5)
	Integrity Applications Incorporated	ZPower Battery
Economics	Buckeye Business Products	Microsoft Corporation
	Epic Systems	Pandata
	Erie Insurance	PNC Financial Services Group
	Federal Reserve Bank of Chicago	Population Services International
	Federal Reserve Bank of Cleveland	Progressive (2)
	FirstEnergy	Teach For America
	Great American Sign Company	Tock
	Hyland Software	U.S. Army Research Laboratory
	Japan Exchange and Teaching Program (JET)	Untold Story
	KeyBank (3)	Worlder Inc.
	Linchpin Strategies	
Electrical Engineering	Accenture (2)	Lincoln Electric Company (2)
	AMETEK, Inc.	Lockheed Martin
	Bird Electronic	Medical Solutions, Inc.
	ESF Camps & Experiences	Medtronic
	Google	MIM Software
	Hyland Software	Rockwell Automation (3)
	Keithley Instruments	Viewray Inc.

English	BASF	Deloitte Consulting
	Case Western Reserve University (2)	Global Health Corps
	Cleveland Metropolitan School District	Neal R. Gross & Co., Inc.
	Connections	Untold Story
Finance	Accenture (3)	Huntington Bank (2)
	AllState Corporation	JP Morgan Chase & Co.
	Anomaly	KeyBank (2)
	AXA Advisors	McKinsey & Company
	BNP Paribas and Etrade	Nolan & Associates
	Boeing Company (The)	Northcoast Research
	Citic Group	OHL North America
	Cohen & Company	PNC Financial Services Group (2)
	Currency	River Capital
	DEEJAYZOO	Skylight Financial Group
	Deloitte Consulting	Teach For America
	Erie Insurance	U.S. Department of Veteran Affairs
	Ernst & Young (2)	Weiss Turkish Project
	HNW Management, Inc.	Welty Building Company
International Studies	AmeriCorps	IBM UrbanCode
	Asian Americans Advancing Justice	Scribe America
	Japan Exchange and Teaching Program (JET)	U.S. Army Research Laboratory
Marketing	Adcom Group	Hyland Software
	B and B Beverage Company	KeyBank
	Cadent Consulting Group, LLC	MediaCom
	CF Kent	Nuance Communications
	Currency	Ohzone (The)
	Happy Place	PNC Financial Services Group
	Hileman Group	Smith Corona
Materials Science & Engineering	CMB	Swagelok Company
	Formlabs	TimkenSteel
	Massachusetts Institute of Technology	Williams International
	Saint-Gobain	
Mathematics	City Year	Progressive
	Highland Consulting	Shelby County School System
	ICBC (Industrial and Commercial Bank of China)	Vanguard
	MIM Software	Yelp, Inc.
	Pandata	
Mechanical Engineering	Active Signal Technologies	Massachusetts Institute of Technology
	Allen Aircraft	Medtronic
	Anchor Fabrication, Ltd.	Microsoft Corporation
	ATS Ohio	Moen, Inc.
	Avery Dennison	NASA Jet Propulsion Lab
	BAE Systems	Nordson
	Blue Origin	Parker Hannifin
	Buckeye Business Products	Peace Corps
	BWXT	Pearl Harbor Naval Shipyard & IMF
	Covert Manufacturing	Pensa
	Daimler Trucks North America	PMI Industries

	Deloitte Consulting	Pratt and Whitney
	DesignPoint Solutions	Precision Castparts Corporation (2)
	Eaton Corporation	Rockwell Automation
	Enerco	Roush Industries
	Epic Metals Corporation	Sandia National Laboratories
	Epic Systems	SIFCO Forge
	Federal-Mogul	Space and Missile Systems Center
	Fictiv	Stress Engineering Services
	Fives North American Combustion (2)	Stryker
	Ford Motor Company	Textron
	Gas Transmission Systems	Turner Construction
	General Dynamics Bath Iron Works	U.S. Navy
	General Electric (2)	United Technologies (UTC)
	Hanley Flight & Zimmerman LLC	Vantage Partners, LLC
	Herrenknecht	Westinghouse Electric Company
	Honda	Zimmer Biomet
	Lincoln Electric Company (2)	
Music	DesignPoint Solutions	Shasta Pools and Spas
	Fairfax County Public Schools	Smith Corona
	Landau Music	Yelp, Inc.
Nursing	Accenture	Johns Hopkins All Children's Hospital
	Advocate Illinois Masonic Medical Center	Lincoln Meadows Care Center
	Alliance Community Hospital	Medical University of South Carolina
	Beacon Health System	Mercy Hospital
	Children's Hospital Los Angeles	MetroHealth Medical Center (2)
	Children's National Medical Center	NC Health
	Cincinnati Children's Hospital Medical Center	Northwestern Memorial Hospital
	City of Hope National Medical Center	Piedmont Healthcare
	Cleveland Clinic (17)	Reading Health Hospital
	Clovis Community Medical Center	Scripps Health
	Cone Health	St. Louis Children's Hospital
	Duke University Hospital (2)	Texas Children's Hospital
	Emory University Hospital	UCLA Health (2)
	Harbs	University Hospitals (19)
	Helen DeVos Children's Hospital	UPMC Children's Hospital
	Homewatch Caregivers	Vanderbilt University Medical Center
	Hospital for Special Surgery	
Physics	Broad Institute	Oak Ridge National Laboratory
	Case Western Reserve University (2)	U.S. Department of Energy
	Fayette County Public Schools	
Political Science	Deloitte Consulting	Neal R. Gross & Co., Inc.
	EPIK English Program	Ohio Citizen Action
	Japan Exchange and Teaching Program (JET)	Oswald Companies
	Linchpin Strategies	PricewaterhouseCoopers
	Morgan Stanley	
Polymer Science & Engineering	American RENOLIT Corporation	Lubrizol Corporation
	Applied Biomimetic	Pixelligent
	Avery Dennison	Precision Castparts Corporation

	Belden Wire and Cable	Sherwin-Williams Company
	Eaton Corporation	Sterling Associates
	Epic Systems	Tufts University School of Dental Medicine
	General Electric	Zimmer Biomet
	Henkel	
Psychology	Amazon	Johns Hopkins Bayview Medical Center
	Asian Americans Advancing Justice	Medical University of South Carolina
	Bellefaire JCB (2)	Meiji Corporation
	Bread for the City	PhysAssist Scribes, Inc
	Case Western Reserve University (3)	Progressive
	Children's Hospital of Philadelphia	Safa Community School
	Citic Group	ScribeAmerica (3)
	City Year	Teach For America
	Cleveland Clinic	Trinity Solar
	Connections	University of Pennsylvania School of Medicine, Department of Psychiatry
	Hall Capital Partners	
	Hampton Country Day Camp	VA Boston Healthcare System
	Intercontinental Hotel	Worlder Inc.
Sociology	Behavioral Health Works	Safa Community School
	Bellefaire JCB	Trinity Solar
	Intercontinental Hotel	Vanguard
	Morgan Stanley	
Statistics	Data Trust	Mathematica Policy Research
	Digital C	PNC Financial Services Group
	Epic Systems	Progressive (3)
	Federal Reserve Bank of Chicago	West Windsor-Plainsboro Regional School District
	KeyBank	Yelp, Inc.
Teacher Education	City of Carmel, Indiana	Fayette County Public Schools
	Cleveland Metropolitan School District	Shelby County School System
	Denver Public School System	
Theater	Cadent Consulting Group, LLC	Northwestern Memorial Hospital
	Cuyahoga Community College	VA Boston Healthcare System
	NBC Universal	

Graduate/Professional School

The next table provides graduates' future colleges/universities and areas of study by CWRU major[16].

Graduate/Professional Schools by Major

Accounting	Boston College	Accountancy/Accounting
	Case Western Reserve University (24)	Accountancy/Accounting (23), Mathematics
	Columbia University	Enterprise Risk Management
	Fordham University	Accountancy/Accounting
	Imperial College London	Finance and Accounting
	New York University	Accountancy/Accounting
	University of Colorado Boulder	Accountancy/Accounting
	University of Virginia	Accountancy/Accounting
	Unknown/Undetermined	Analytics
Aerospace Engineering	Case Western Reserve University (5)	Aerospace Engineering (3), Mechanical Engineering (2)
	University of Washington	Aerospace Engineering
Anthropology	Boston University	Public Health
	Case Western Reserve University (6)	Anthropology, Medical Physiology, Medicine (3), Non-profit Organizations
	Columbia University	Public Health
	Georgetown University	Sports Industry Management
	Ohio State University	Biostatistics
	Rutgers University	Medicine
	Temple University	Dental medicine/dentistry
	University of California, Davis	Art History
	University of Illinois at Chicago	Medicine
	Unknown/Undetermined	Medicine
Applied Mathematics	Case Western Reserve University (2)	Applied Mathematics (2)
	Columbia University	Applied Mathematics
	Cornell University	Financial Engineering
	University of Massachusetts	Mathematics and Statistics
	University of Virginia	Systems & Control Engineering
Biochemistry	Case Western Reserve University (6)	Bioethics (2), Dental medicine/dentistry, Medicine (2), Physiology
	Dartmouth College	Unknown/Undetermined
	Emory University	Public Health
	Johns Hopkins University	Pharmacology
	Kent State University	Medicine
	Louisiana State University, New Orleans	Medicine
	Northeast Ohio Medical University	Medicine

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[16] Each graduate/professional school is listed once under each of the graduates' CWRU majors. Majors that do not 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 excluded. Majors with fewer than five responses include: Art Education, Art History, Asian Studies, Astronomy*, Civil Engineering, Classics, Computer Engineering, Dance, Dean's Approved Major, Environmental Studies, Evolutionary Biology, French, French & Francophone Studies, Geological Sciences, German, History & Philosophy of Science, International Studies, Japanese Studies, Management*, Materials Science & Engineering, Music Education, Natural Sciences, Nursing, Nutrition, Philosophy, Physics, Pre-Architecture, Religious Studies, Spanish, Statistics, Systems & Control Engineering*, Systems Biology, Teacher Education, Theater, World Literature.

	Ohio State University (3)	Medicine, Pharmacy, Veterinary Medicine
	Rutgers University	Medicine
	University of Massachusetts	Biochemistry
	University of Missouri	Veterinary Medicine
	University of Southern California	Medicine
	University of Texas Medical Branch	Microbiology and Immunology
	Unknown/Undetermined	Physiology
	Virginia Commonwealth University	Pharmacy
	Washington University in St. Louis	Medicine
Biology	Butler University	Unknown/Undetermined
	Case Western Reserve University (15)	Bioethics (3), Biology (3), Medical Physiology, Medicine (5), Public Health (3)
	Indiana University	Medicine
	Lake Erie College of Osteopathic Medicine	Medicine
	Medical University of South Carolina	Dental medicine/dentistry
	New York Medical College	Dental medicine/dentistry
	New York University	Biology
	Northwestern University	Medicine
	Ohio State University (2)	Biostatistics, Optometry
	Portland State University	Biology
	Rutgers University	Medicine
	University of Illinois at Chicago	Medicine
	University of Massachusetts	Neuroscience and Behavior
	University of Michigan	Biology
	Unknown/Undetermined (2)	Medicine (2)
Biomedical Engineering	Boston University	Biomedical Engineering
	Carnegie Mellon University (2)	Biomedical Engineering (2)
	Case Western Reserve University (24)	Biomedical Engineering (13), Electrical Engineering, Engineering and management (6), Law, Mechanical Engineering, Medicine, Translational Health Technology
	Columbia University	Unknown/Undetermined
	Cornell University	Computational Biology and Medicine
	Duke University	Biomedical Engineering
	Johns Hopkins University (3)	Bioengineering Innovation and Design, Biomedical Engineering (2)
	New York University	Medicine
	Northeastern University	Biomedical Engineering
	Ohio State University	Biomedical Engineering
	Pennsylvania State University	Medicine and Biomedical Engineering
	Rice University	Bioengineering and Biomedical Engineering
	Rutgers University	Medicine
	St. Cloud State University	Engineering and management
	Texas A&M University	Biomedical Engineering
	University College London	Economics
	University of California, San Diego	Intelligent Systems, Robotics, and Control
	University of Colorado Boulder	Aerospace Engineering
	University of Louisville	Public Health
	University of Michigan	Biomedical Engineering

	University of Pennsylvania (4)	Bioengineering and Biomedical Engineering, Biomedical Engineering, Medicine, Unknown/Undetermined
	University of Pittsburgh (2)	Biomedical Sciences, Engineering and management
	University of Southern California	Law
	University of Texas at Houston	Medicine
	University of Virginia	Medicine
	Unknown/Undetermined (2)	Medicine, Prosthetics and Orthotics
	Washington University in St. Louis	Biomedical Engineering
	Wayne State University	Mechanical Engineering
Business Management	Case Western Reserve University (3)	Finance (3)
	Miami Ad School	Advertising Design (art direction)
	Ohio State University	Law
Chemical Biology	Case Western Reserve University (2)	Medicine, Engineering and management
	Loyola University	Medicine
	University of Missouri	Medicine
	Unknown/Undetermined	Dental medicine/dentistry
Chemical Engineering	Case Western Reserve University (5)	Chemical Engineering (4), Engineering and management
	Columbia University (2)	Administration, Health Policy & Public Health, Chemical Engineering
	North Carolina State University	Chemical Engineering
	Princeton University	Chemical Engineering
	University of California, Irvine	Chemistry
	University of California, Los Angeles	Planetary Science
	University of Illinois at Urbana-Champaign	Chemical Engineering
	Unknown/Undetermined	Environmental Engineering
Chemistry	Carnegie Mellon University	Chemistry
	Case Western Reserve University (2)	Bioethics, Medicine
	Dartmouth College	Unknown/Undetermined
	Emory University	Chemistry
	Lake Erie College of Osteopathic Medicine	Medicine
	Ohio State University	Medicine
	Temple University	Dental medicine/dentistry
	University of Chicago	Physical Chemistry
	University of Maryland	Chemistry
Cognitive Science	Case Western Reserve University (4)	Engineering and management, Medical Physiology, Public Health, Social Work
	Lewis & Clark College	Law
	New York Institution of Technology	Medicine
	Royal Danish Academy of Music	Music Performance
	Rutgers University	Medicine
	University of Texas at Austin	Speech Language Pathology
	Unknown/Undetermined	Psychology and Cognitive Science
Communication Sciences	Case Western Reserve University (2)	Communication Sciences, Speech Language Pathology
	Ohio State University	Audiology
	Rush University (2)	Audiology, Speech Language Pathology

	Texas Christian University	Speech Language Pathology
	University of Cincinnati	Audiology
	University of Massachusetts	Speech Language Pathology
	University of Texas at Austin	Speech Language Pathology
Computer Science	Carnegie Mellon University	Information System Management
	Case Western Reserve University (6)	Business Analytics, Computer Science (3), Electrical Engineering, Mechanical Engineering
	University of California, Berkeley	Unknown/Undetermined
	University of California, Los Angeles	Computer Science
	University of Notre Dame	Computer Science and Engineering, Machine Learning
Economics	Case Western Reserve University (2)	Accountancy/Accounting, Electrical Engineering
	Cornell University	Financial Engineering
	New York University	Unknown/Undetermined
	Ohio University	Medicine
	University of Arizona	Economics
	University of California, Berkeley	Industrial Engineering and Operations Research
	University of Chicago	Public Policy
	University of Texas at Austin	Sports Management
Electrical Engineering	Case Western Reserve University (7)	Biomedical Engineering, Electrical Engineering (4), Engineering and management, Systems & Control Engineering
	Cornell University	Unknown/Undetermined
	Duke University	Biomedical Engineering
	Johns Hopkins University	Biomedical Engineering
	Princeton University	Electrical Engineering
	Stanford University	Electrical Engineering
	University of California, San Diego	Intelligent Systems, Robotics, and Control
	University of Pittsburgh	Engineering and management
	Yale University	Business Administration
Engineering Physics	Case Western Reserve University (2)	Physics, Statistics
	College of William and Mary	Physics
	University of Michigan	Nuclear Engineering
	University of Rochester	Physics
	University of Utah	Materials Science and Engineering
English	Case Western Reserve University (3)	Art Education, Law, Medicine
	Indiana University	Medicine
	Kent State University	Higher Education Administration
	New York Film Academy	Screenwriting
	University of Central Florida	Education
Finance	Brandeis University	Finance
	Case Western Reserve University (13)	Accountancy/Accounting, Finance (12)
	Johns Hopkins University	Finance
	Ohio State University	Law
	University of Chicago	Public Policy
	University of Illinois at Urbana-Champaign (2)	Financial Engineering, Law
History	Case Western Reserve University	Law
	Cleveland State University	Urban Planning and Development
	Ohio State University (2)	Law (2)

	Texas A&M University	Medicine
	Carnegie Mellon University	Information System Management
	Case Western Reserve University (2)	Business Analytics, Finance
Marketing	Columbia University	Non-profit Organizations
	Miami Ad School	Advertising Design (art direction)
	Northwestern University	Leadership for Creative Enterprises
	Case Western Reserve University	Engineering and management
	Indiana University	Mathematics
Mathematics	University of Illinois at Urbana-Champaign	Financial Engineering
	University of Notre Dame	Computer Science and Engineering
	University of Oregon	Mathematics
	Unknown/Undetermined	Computer Science
	Case Western Reserve University	Physics
	Cornell University	Physics
Mathematics and Physics*	Stanford University	Mathematics and Physics
	University of California, Berkeley	Nuclear Engineering
	University of Waterloo	Quantum Information
	Carnegie Mellon University	Mechanical Engineering
Mechanical Engineering	Case Western Reserve University (13)	Aerospace Engineering (2), Engineering and management (2), Materials Science & Engineering, Mechanical Engineering (8)
	University of Colorado Denver	Unknown/Undetermined
	University of Washington	Aerospace Engineering
	Case Western Reserve University (2)	Bioethics, Public Health
	Georgia Institute of Technology	Music and Technology
	Royal Danish Academy of Music	Music Performance
Music	Texas Christian University	Speech Language Pathology
	University of Colorado Boulder	Music
	University of Toronto	Fine Arts
	Unknown/Undetermined	Physical Therapy
	Case Western Reserve University (2)	Anesthesia, Nutrition
	Cornell University	Post-bacc premed program
	Drexel University	Medicine
Nutritional Biochemistry & Metabolism	Ohio University	Medicine
	Tufts University	Nutrition
	University at Buffalo, State University of New York (2)	Dental medicine/dentistry, Medicine
	University of Michigan	Dental medicine/dentistry
	University of Toledo	Medicine
	Case Western Reserve University (2)	Law, Medicine
	Cleveland State University	Urban Planning and Development
Political Science	Ohio State University	Law
	University of Cincinnati	Law
	University of Denver	International Security
	University of San Diego	Law
	Case Western Reserve University	Engineering and management
Polymer Science & Engineering	Johns Hopkins University	Chemical Engineering and Biomolecular Engineering
	Northwestern University (2)	Chemistry, Materials Science & Engineering

	Pennsylvania State University	Medicine and Biomedical Engineering
	San Francisco State University	English Language and Literature/Letters
	University of California, San Diego	Nanoengineering
	University of Oregon	Chemistry
	University of Southern California	Mechanical Engineering
Professional Studies	Case Western Reserve University (6)	Dental medicine/dentistry (2), Law, Social Work (3)
Psychology	Boston University	Public Health
	Case Western Reserve University (10)	Bioethics, Dental medicine/dentistry (2), Engineering and management, Law, Medicine, Public Health, Social Work (2), Speech Language Pathology
	Cleveland State University (2)	Business, Law
	Columbia University	Public Health
	George Washington University	Forensic Psychology
	Kent State University (2)	Higher Education Administration, Neuroscience
	Lake Erie College of Osteopathic Medicine	Medicine
	Lewis & Clark College	Law
	New York Film Academy	Screenwriting
	Ohio State University (3)	Audiology, Medicine, Public Health
	Rush University (2)	Audiology, Speech Language Pathology
	University of Chicago	Psychology
	University of Cincinnati	Audiology
	University of Pennsylvania	Veterinary Medicine
	University of Texas at Austin	Sports Management
	University of Toledo (2)	Medicine (2)
	Unknown/Undetermined (2)	Dental medicine/dentistry, Psychology and Cognitive Science
Sociology	Case Western Reserve University (2)	Bioethics, Social Work
	Columbia University	Public Health
	Emory University	Public Health
	George Washington University	Forensic Psychology
	Kent State University	Higher Education Administration
	New York University	Unknown/Undetermined
	University of Massachusetts	Speech Language Pathology

International Student Results

Case Western Reserve University has a sizable international student population. Data for those students have been included throughout this report, and they are additionally presented separately in order to better understand outcomes for the population. Data were collected for 84% (n = 91) of graduates who were citizens of another country.

**International Students' Primary Plan for After Graduation**

Post-Graduation Plans	2009	2010	2011	2012	2013	2014	2015	2016	2017
Advanced Study	52%	46%	65%	63%	70%	81%	63%	70%	65%
Full-Time Employment	28%	23%	22%	26%	23%	16%	29%	28%	24%
Available for Employment	8%	15%	9%	4%	5%	3%	5%	2%	4%
Other	12%	15%	4%	7%	3%	0%	2%	0%	7%
n	**25**	**13**	**23**	**27**	**40**	**31**	**41**	**46**	**91**

Of the 22 international students who indicated full-time employment as their post-graduation outcome, 20 (91%) provided the name of their employer, as shown in the table below.

Applied Biomimetic	ICBC (Industrial and Commercial Bank of China)
Applied Medical	Microsoft Corporation
China Central Television and China Radio International	Mirai
Citic Group	Nutrition Ink
CMB	Population Services International
Currency	Safa Community School
Digital C	Trinity Partners
EDRI Construction	University Hospitals
Herrenknecht	Worlder Inc.
HSBC	Yelp, Inc.

Ten students provided information about their position function, which included: Accounting, Education/Teaching, Engineering (3), Financial Services, Healthcare, Information Technology, Nursing, and Research.

Seventeen students stated the country they would work in.

International Students' Full-time Employment by Country
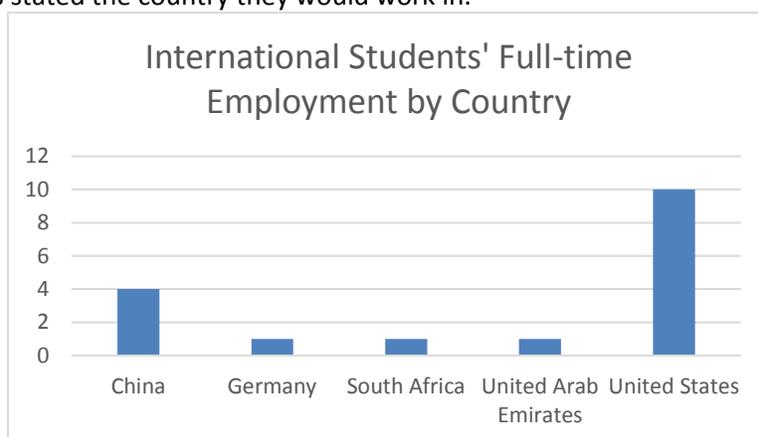
Of the ten who indicated working in the United States, the state is listed below.

State	n
California	3
New York	2
Ohio	2
Maryland	1
Massachusetts	1
Washington	1

Fifty-nine international students reported pursuing advanced study following graduation, and 54 (92%) provided information about their institution and program of study, listed in the table below.

Boston College	Accountancy/Accounting
Brandeis University	Finance
Carnegie Mellon University (2)	Information System Management, Mechanical Engineering
Case Western Reserve University (14)	Accountancy/Accounting (2), Applied Mathematics, Biology, Biomedical Engineering (2), Dental medicine/dentistry, Electrical Engineering, Engineering and management (2), Finance (3), Statistics
Columbia University (6)	Administration, Health Policy & Public Health, Applied Mathematics, Enterprise Risk Management, Non-profit Organizations, Public Health, Statistics
Cornell University (2)	Financial Engineering
Duke University	Biomedical Engineering
Fordham University	Accountancy/Accounting
Georgetown University	Sports Industry Management
Imperial College London	Finance and Accounting
Johns Hopkins University	Finance
New York University	Accountancy/Accounting
Northeastern University	Unknown/Undetermined
Northwestern University	Leadership for Creative Enterprises
Ohio State University	Law
Stanford University (2)	Electrical Engineering, Statistics
Tufts University	Nutrition
University College London	Economics
University of California, Berkeley (2)	Industrial Engineering and Operations Research
University of California, Los Angeles	Computer Science
University of California, San Diego	Intelligent Systems, Robotics, and Control
University of Chicago (2)	Psychology, Public Policy
University of Illinois at Urbana-Champaign	Financial Engineering
University of Michigan	Dental medicine/dentistry

University of Notre Dame	Computer Science and Engineering
University of Pennsylvania (2)	Bioengineering and Biomedical Engineering
University of Texas at Austin	Sports Management
University of Virginia	Accountancy/Accounting
University of Washington	Aerospace Engineering
Unknown/Undetermined	Management

Forty-one international students responded to the questions about experiential learning participation, with 39 (95%) stating that they had participated in at least one experiential learning opportunity. The table below shows the number of international students who reported participating in each type of experiential learning activity.

Participated in at least one activity	39	95%
Career Center Practicum	7	18%
Community Service	19	49%
Cooperative Education	6	15%
Creative Endeavor	12	31%
Independent Research	19	49%
Internship	23	59%
Nursing Practicum/Clinicals	3	8%
Research outside of CWRU Faculty	2	5%
Research with CWRU Faculty	23	59%

Acknowledgements

Appendix A: First Destination Survey 2017

A copy of the First Destination Survey 2017 is provided on the next page.

Default Question Block

Consent Form Survey Description: The purpose of this survey is understand the post-graduation plans of graduating undergraduates from CWRU. If you agree to participate, you will be asked to complete an online survey. This will take approximately 10-20 minutes of your time.

Risks / Benefits: Your responses will be used to develop an annual report that provides information to incoming/current students, families, employers, CWRU's schools and academic programs, CWRU's Board of Trustees, the U.S. government, and organizations that calculate CWRU's rankings. Please click here to see the reports from previous years. There are no known or foreseeable risks to participating in this survey.

Confidentiality: The information you provide in this survey will be held in the strictest of confidence solely for use by Case Western Reserve University. This information will be stored on secure CWRU servers.

Voluntary Participation: Your participation in this survey is voluntary. You may choose not to take part in this survey, or if you decide to take part, you can change your mind later and withdraw from the survey. You may decide not to answer some of the questions and you may withdraw from the study at any time without penalty.

Whom do I contact for questions about the study: For more information about the survey or survey procedures, contact Robin Hedges, Associate Director, Career Education, Career Center, at 216.368.4446 or robin.hedges@case.edu.

Whom do I contact for questions about my rights or complaints towards my treatment as a survey subject? Contact Dennis Rupert, Associate Vice President for Planning and Operations, Student Affairs, at 216.368.2020 or dennis.rupert@case.edu.

I am at least 18 years old and I agree to participate in this survey.

○ Yes

○ No

What are your plans for the coming year? (choose one)

[▼]

My CWRU education has prepared me for the job market.

○ Strongly agree

○ Somewhat agree

○ Somewhat disagree

○ Strongly disagree

My CWRU education has prepared me for graduate/professional school.

○ Strongly agree

○ Somewhat agree

○ Somewhat disagree

○ Strongly disagree

Employment Information

Employer
We have provided a list of organizations that frequently hire CWRU students. If your employer isn't listed, please provide the name of your employer in the box below the option "Other (please specify)."

- ○ Accenture
- ○ Alcoa
- ○ American Greetings
- ○ Ameriprise Financial
- ○ Apple
- ○ Avery Dennison Corporation
- ○ Battelle Memorial Institute
- ○ Ben Venue Laboratories
- ○ BioEnterprise Corporation
- ○ Bloomberg LP
- ○ Case Western Reserve University
- ○ Centers for Disease Control & Prevention
- ○ Cleveland Clinic
- ○ Codonics Inc.
- ○ Cohen & Company
- ○ Deloitte Accounting
- ○ Deloitte Consulting LLP
- ○ Eaton Corporation
- ○ Epic Systems Corporation
- ○ EY (Ernst & Young)
- ○ Explorys, an IBM Company
- ○ General Electric
- ○ Goodyear Tire & Rubber Company
- ○ Google
- ○ Howard, Wershbale & Co.
- ○ Hyland, creator of OnBase
- ○ IBM
- ○ Intel Corporation
- ○ Keithley, a Tektronix Company
- ○ KeyBank
- ○ KPMG
- ○ Lincoln Electric Company
- ○ LNE Group
- ○ Lockheed Martin
- ○ Lubrizol Corporation
- ○ Mayo Clinic
- ○ McKinsey & Company
- ○ McMaster-Carr Supply Company
- ○ Medtronic
- ○ MetroHealth System
- ○ Microsoft Corporation
- ○ MIM Software Inc.
- ○ MRI Software LLC
- ○ NASA
- ○ National Institutes of Health
- ○ National Instruments

○ Nordson Corporation

○ Parker Hannifin Corporation

○ Peace Corps

○ Philips

○ Plante Moran

○ PNC Financial Services Group Inc.

○ PPG Industries

○ Precision Castparts Corp

○ PricewaterhouseCoopers LLP

○ Procter & Gamble

○ Progressive Group of Insurance Companies

○ Rockwell Automation

○ Rosetta

○ Royal DSM

○ Sherwin-Williams Company

○ St. Jude Medical Inc.

○ Swagelok Company

○ Teach For America

○ Timken Company

○ University Hospitals

○ Westinghouse Electric Corporation

○ Yelp

○ ZS Associates

○ Other (please specify)

_____

Position Title

_____

Job Function

For example, if you are going to be accountant at Walt Disney, your job function would be accounting. If you are going into information technology at the Cleveland Clinic, your job function would be information technology.

[▼]

Job Location: Country/State

[▼]

City of Employment

_____

Starting Salary

Any information concerning salary will be held in strict confidence.

[▼]

Did you receive a signing bonus?

○ Yes (please describe and provide the amount)

[   ]

○ No

Will you receive any other form of guaranteed compensation?

○ Yes (please describe and provide the amount)

[   ]

○ No

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

[▼]

When did you begin your full-time job search?

[▼]

When did you first receive your employment offer?

[▼]

When did you accept your employment offer?

[▼]

Graduate/Professional School Information

Institution
We have provided a list of universities and colleges that CWRU students frequently attend after graduation. If your institution is not listed, please provide the name in the box below "Other (please specify)."

○ Unknown/Undetermined

○ Albert Einstein College of Medicine

○ American University

○ Boston University

○ Brown University

○ California Institute of Technology

○ Carnegie Mellon University

○ Case Western Reserve University

○ Cleveland State University

○ Columbia University

○ Cornell University

○ Dartmouth College

○ Drexel University

○ Duke University

○ Emory University

○ Florida State University

○ George Washington University

○ Georgetown University

○ Georgia Institute of Technology

○ Harvard University

○ Indiana University

○ Indiana University-Purdue University Indianapolis

○ John Carroll University

○ Johns Hopkins University

○ Kent State University

○ Lake Erie College of Osteopathic Medicine

○ Massachusetts Institute of Technology

○ Michigan State University

○ New York University

○ North Carolina State University

○ Northwestern University

○ Ohio State University

○ Ohio University

○ Pennsylvania State University

○ Purdue University

○ Rush University

○ Saint Louis University

○ Stanford University

○ Temple University

○ Texas A&M University

○ Tufts University

○ University of Akron

○ University of Arizona

○ University of California, Berkeley

○ University of California, Irvine

○ University of California, San Francisco

○ University of California, Santa Barbara

○ University of Chicago

○ University of Cincinnati

○ University of Illinois at Urbana-Champaign

○ University of Illinois – Chicago

○ University of Maryland

○ University of Massachusetts

○ University of Michigan

○ University of Minnesota

○ University of Pennsylvania

○ University of Pittsburgh

○ University of South Florida

○ University of Southern California

○ University of Texas at Austin

○ University of Toledo

○ University of Utah

○ University of Victoria

○ University of Washington

○ University of Wisconsin – Madison

○ Vanderbilt University

○ Washington University in St. Louis

○ West Virginia University

○ Wright State University

○ Yale University

○ Other

Program of Study

○ Architecture

○ Arts and Sciences (please specify)

○ Business (please specify)

○ Dental medicine/dentistry

○ Education

○ Engineering (please specify)

○ Engineering and management

○ Fine arts

○ Journalism

○ Law

○ Library

○ Medicine

○ Nursing

○ Optometry

○ Osteopathic Medicine

○ Pharmacy

○ Podiatric Medicine

○ Public Health

○ Public Policy

○ Veterinary Medicine

○ Seminary/theology

○ Social Work

○ Technology

○ Other (please specify)

Degree (check all that apply)

- ☐ Another Bachelor's degree
- ☐ Arts and Sciences Master's (e.g., MA, MS)
- ☐ MBA
- ☐ Professional Master's (e.g., MAcc, MDiv, MEd, MEM, MN, MPH, MSM, MSN, MSSA, MSW)
- ☐ DDS or DMD
- ☐ MD or DO
- ☐ DVM
- ☐ JD
- ☐ PhD
- ☐ Non-degree
- ☐ Other (please specify)

  [   ]

Were you awarded any scholarships or fellowships? (check all that apply)

- ☐ Scholarship provided by my college/university
- ☐ Tuition provided by my college/university
- ☐ Beinecke African Scholarship
- ☐ Beinecke Scholarship
- ☐ Boren Fellowship or Scholarship
- ☐ Carnegie Junior Fellowship
- ☐ Churchill Scholarship
- ☐ DAAD Germany Graduate Scholarship
- ☐ Department of Homeland Security Graduate Fellowship
- ☐ Donald M Payne International Development Graduate Fellowship
- ☐ Environmental Protection Agency STAR Fellowship for Environmental Studies
- ☐ Ford Foundation Diversity Fellowship
- ☐ Fulbright Study/Research Abroad Fellowship
- ☐ Fulbright Study/Research Fellowship
- ☐ Gates-Cambridge Scholarship
- ☐ Gilman International Scholarship
- ☐ Goldwater Scholarship
- ☐ Harriet G Jenkins Pre-doctoral Fellowship
- ☐ Henry Luce Scholarship
- ☐ Hertz Foundation Applied Physical Sciences Fellowship
- ☐ Humanity in Action Fellowship
- ☐ Jack Kent Cooke Graduate Arts Award
- ☐ James Madison Fellowship
- ☐ Javits Graduate Study Fellowship
- ☐ Knowles Science Teaching Foundation Fellowship
- ☐ Marshall Scholarship
- ☐ Mitchell Scholarship
- ☐ National Defense Science and Engineering Graduate Fellowship
- ☐

     National Physical Science Consortium Fellowship

☐ National Science Foundation Graduate Research Fellowship

☐ Paul and Daisy Soros Fellowship for New Americans

☐ Rhodes Scholarship

☐ Science, Mathematics, and Research for Transformation (SMART) Scholarship

☐ Thomas R Pickering Foreign Affairs Fellowship

☐ Truman Scholarship

☐ Uduall Scholarship

☐ Whitaker International Fellowship

☐ Woodrow Wilson Teaching Fellowship

☐ None

☐ Other

     [_____]

Business Venture Information

Please describe your business / venture and in what industry you are starting it.

[   ]

Community Service Information

Organization

[   ]

Position Title

[   ]

City

[   ]

Location: State/Country

[▼]

Military Information

Branch

○ US Air Force

○ US Air Force Reserve

○ US Air National Guard

○ US Army

○ US Army Reserve

○ US Army National Guard

○ US Coast Guard

○ US Coast Guard Reserve

○ US Marine Corps

○ US Marine Corps Reserve

○ US Navy

○ US Navy Reserve

○ Other (please specify)

Rank

In addition to the plans you indicated in the previous question, do you have additional plans? (check all that apply)

☐ I have accepted full-time employment

☐ I will enter graduate or professional studies

☐ I am continuing to seek employment

☐ I am starting a business/self-employed/ working freelance

☐ I am working part-time

☐ I am serving in the military full-time

☐ I am performing community service

☐ I am voluntarily unemployment and not seeking employment

☐ I am tending to family commitments (e.g., caregiving)

Experiential Learning

While at CWRU, how many of the following activities did you participate in related to your academics?

Internships	▼
Career Center Practicum Program (PRAC 001, 002 or 001, or MGT 001, 002, or 003	▼
Cooperative Education Program (Co-op)	▼
Nursing practicum/clinicals	▼
Community service projects	▼
Study abroad experiences	▼

What was the outcome of the activities you participated in?

	Led to my post-graduation job	Led to a job I worked during college and/or over college breaks	Led to a job offer I declined	Did not lead to a job offer	Not applicable
Internship	☐	☐	☐	☐	☐
Practicum offered through the Career Center	☐	☐	☐	☐	☐
Cooperative Education (Co-op)	☐	☐	☐	☐	☐
Nursing practicum/clinicals	☐	☐	☐	☐	☐
Community service projects	☐	☐	☐	☐	☐
Study abroad experiences	☐	☐	☐	☐	☐

While at CWRU, how many of the following activities did you participate in related to your academics?

Research projects with CWRU faculty, including affiliated faculty at Cleveland Clinic, VA, etc.

[▼]

Research projects outside of CWRU faculty

[▼]

Independent research projects

[▼]

Creative endeavors

(e.g. musical performance, conducting or composition; painting, photography, acting, theatre, dance or voice workshops; hosting a television or radio show; investigative interviewing; creative writing; marketing and communications; or similar activities)

[▼]

What was the outcome of your research project(s) or creative endeavor(s)? (check all that apply)

- ☐ Led to my post-graduation job
- ☐ Led to a job I worked during college and/or over college breaks
- ☐ Led to a job offer I declined
- ☐ Did not lead to a job offer
- ☐ Accepted to graduate/professional school
- ☐ Senior capstone/thesis submission
- ☐ Abstract submission and/or publication
- ☐ Journal article submission and/or publication
- ☐ Conference submission and/or presentation
- ☐ Book thesis submission and/or publication
- ☐ Book chapter submission and/or publication

☐ Record/video submissions and/or publication

☐ Other (please specify)

Do you want to be a member of the CWRU Alumni Career Network, which is made up of CWRU alumni who will provide career information and related assistance to current students?

○ Yes

○ No

Please provide the best address to which we might send correspondence post-graduation.
This information will be shared with Alumni Relations.

Please provide the best phone number at which we may reach you post-graduation. Please be sure to include area code.
This information will be shared with Alumni Relations.

Please provide the best email address at which we may reach you post-graduation.
This information will be shared with Alumni Relations.

Thank you for participating in the First Destination Survey. We appreciate your time very much. Please review your responses before continuing to the end of the survey.

☐ Record/video submissions and/or publication

☐ Other (please specify)