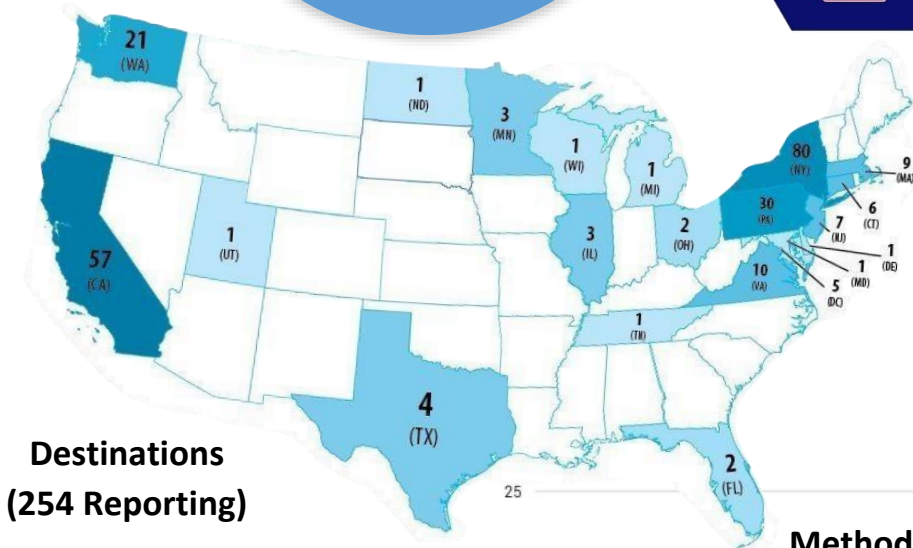
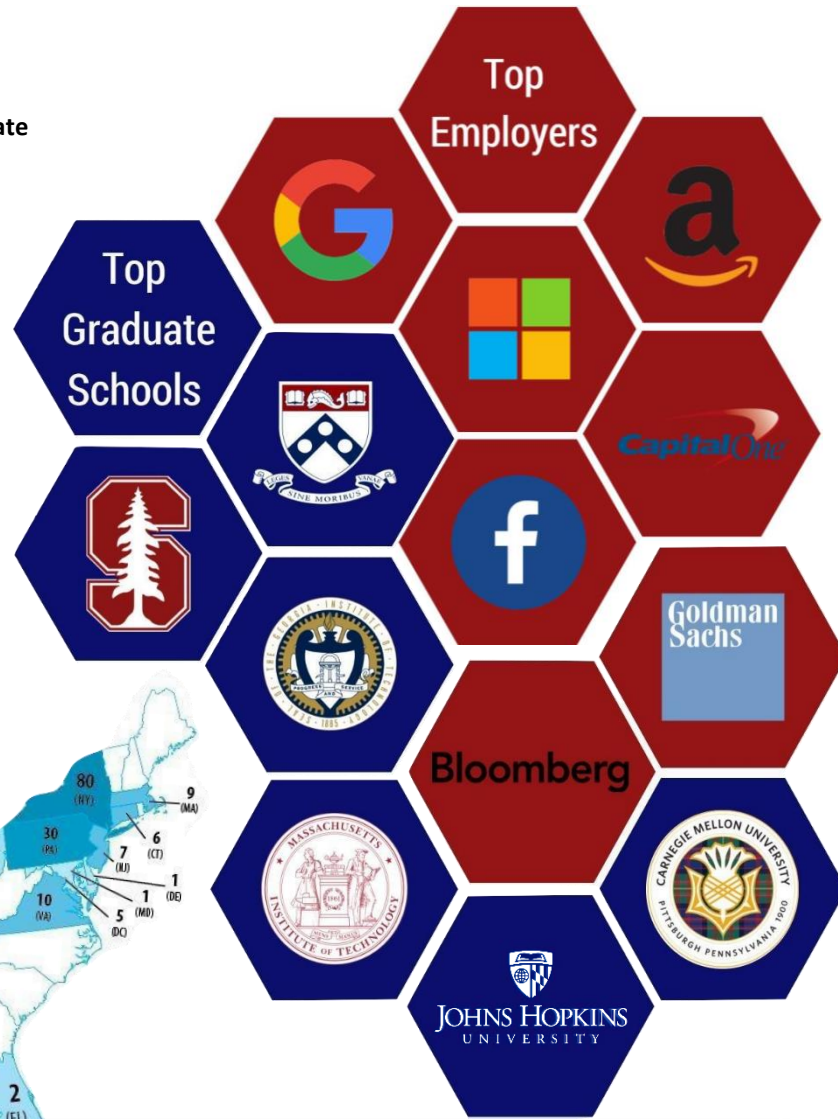
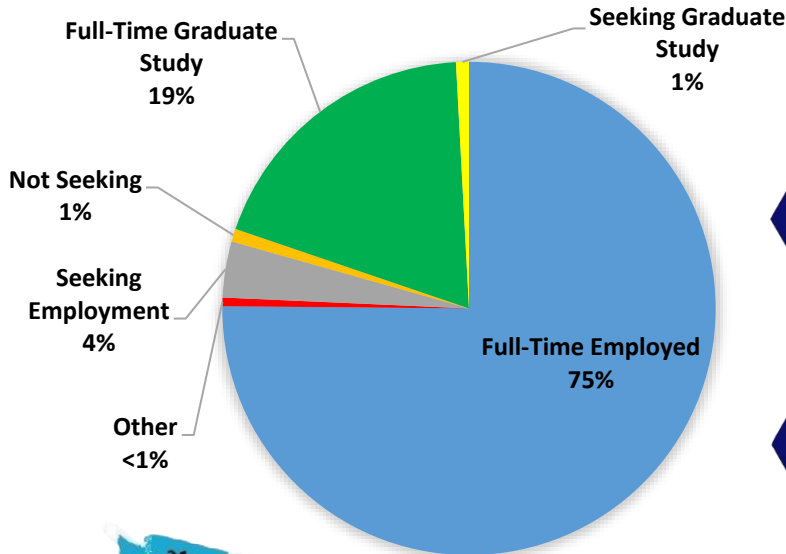
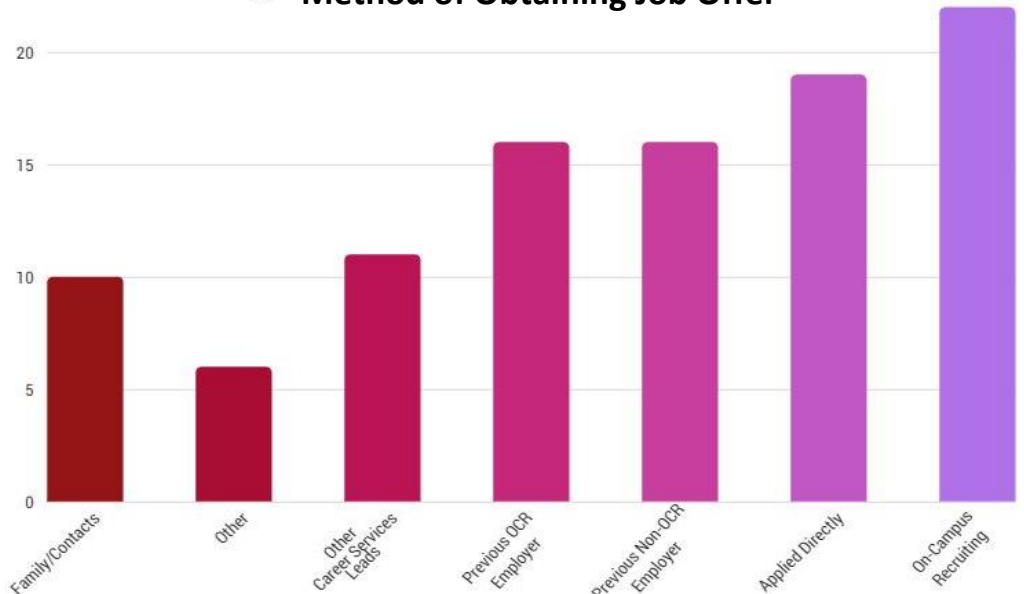


**Post-Graduation Plans  
(88% Reporting)**



**Method of Obtaining Job Offer**





# School of Engineering & Applied Science Undergraduate Career Plans Survey Report 2016-2017

Prepared by:  
Rosette Pyne, Senior Associate Director  
Kaitlyn Barlow, Administrative Assistant  
December 2017

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## OVERVIEW

Each year Career Services surveys the School of Engineering & Applied Science (SEAS) graduating class to gather information about their post-graduation plans. This report summarizes the responses from August and December 2016, May 2017 Bachelor of Science in Engineering (BSE) and Bachelor of Applied Science (BAS) degree recipients. The school awarded 402 undergraduate degrees. Career Services received 354 responses, representing an 88% response rate.

The overall average salary of the employed respondents rose by 3.8% to \$90,905. As in previous years, engineers have the highest reported average starting salary of all Bachelor's level students at Penn, and a higher average salary than the national average for engineers. The average salary of Penn Engineering majors (not including computer science related) was \$79,357 compared to the national average of \$64,530. Graduates in computer related majors at Penn averaged \$104,630 compared to the national average of \$74,183. The average salaries for all SEAS majors was higher than the national averages provided by the National Association of Colleges and Employers, *NACE Salary Survey, Fall 2017 Executive Summary*.

## METHODOLOGY

Engineering students graduating with either a BAS or BSE degree in August 2016, December 2016 and May 2017 responded to several email requests to complete the Career Plans Survey on line between April and November 2017. In October, a friendly request (email and phone) was made to students who had not responded to earlier requests or who had previously indicated they were still seeking employment or graduate school admission. A search of LinkedIn was conducted to find and identify any updated information from those who had not responded to all requests. This information was utilized when the graduates or the department verified subsequent follow-up. Department Coordinators were contacted to acquire post-graduate data on all the remaining non-respondents.

## SECTION 1 – PURSUITS

<u>Plan</u>	<u>Responses</u>	<u>2016-2017 %</u>	<u>2015-2016 %</u>
Full-Time Employment	266	75	76
Attending Full-Time Graduate School	67	19	21
Seeking Full-time Employment	13	4	2
Seeking Graduate School Admission	3	1	1
Other	2	<1	<1
Not Seeking	3	1	<1
<b>TOTAL</b>	<b>354</b>	<b>100.0</b>	<b>100</b>

## SECTION 2 - ANALYSIS OF EMPLOYED RESPONDENTS

Number Accepted	Organization
13	Google
12	Microsoft
9	Amazon
8	Capital One
7	Facebook
4	Bloomberg, Goldman Sachs, McKinsey & Co.
3	Airbnb, Apple, Applied Predictive Technologies, BlackRock, Children’s Hospital of Philadelphia, Deloitte, IBM, Palantir Technologies, University of Pennsylvania Health System, Venture for America
2	A.T. Kearney, AQR Capital Management, Blue Origin, Boston Consulting Group, Bridgewater, Citadel LLC, Comcast, Credit Suisse, Deutsche Bank, Evercore, ExxonMobil, Intel, Marathon Trading, Merck & Co., Morgan Stanley, Navigant Consulting, Plasticity, Qualtrics, UiPath
1	Selected Organizations: Abbott, Audible, Biobots, Core Human Factors, Eaton, Epic, Esri, Florida Power & Light, GE Power, GSK, Hasbro, Holtec International, Honeybee Robotics, Intuitive Surgical Inc., Jacobs, Lockheed Martin, NAVSEA, Q-State Biosciences, Regeneron Pharmaceuticals, Schlumberger, SpaceX, Tapad, Tesla Inc., W.L. Gore, Zynga

### Geographic Distribution of Jobs

<u>Area</u>	<u>Number</u>	<u>Percent %</u>
United States		
Northeast	16	6
Mid-Atlantic	124	49
Southeast	13	5
Midwest	8	3
Southwest	4	2
West	59	23
Northwest	22	9
Abroad	8	3
<b>Total</b>	<b>254</b>	<b>100%</b>

### Date Received Offer

26% of students received the job offer they accepted before returning for their Senior year

94% received their job offer by Graduation\*

\*196 reporting

### On-Campus Recruiting Interview Activity

Total Number of Employers: 290  
 Total Number of Scheduled Interviews: 8,394

### Range and Average Number of First Round Interviews per Employed Student

	<u>Range</u>	<u>Average</u>
All First Round Interviews	1 - 50	7.2



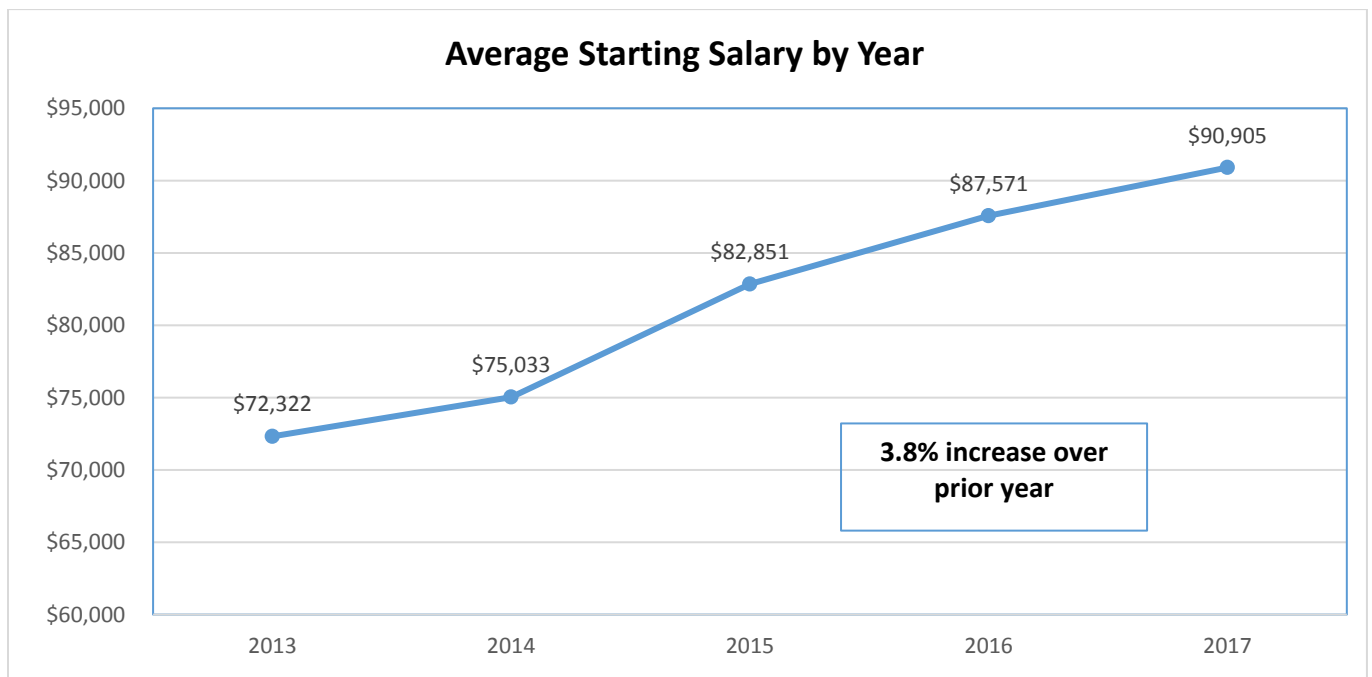
## Range and Average Number of Job Offers Received Per Student

	<u>Range</u>	<u>Average</u>
All Job Offers	1 - 20	2.4



## How Full-time Employed Respondents Received Their Job Offer (183 responses)

<b>On-Campus Recruiting (OCR)</b>	<b>22%</b>
Previous OCR Employer (summer internship obtained through OCR, resulting in full-time offer)	16%
Applied Directly to Organization	19%
Other Career Services Leads (career fairs, job postings, meet & greet events, programs)	11%
Previous non-OCR Employer (summer internship not obtained through OCR, resulting in full-time offer)	16%
Contacts	3%
Other	6%
Department	7%



### Average Starting Salary

65% of the employed students reported their salaries

The salary range for 2017 was \$30,000 - \$175,000, with the average being \$90,905

### Average Bonus Figure

Sign-on Bonus: \$18,264 (based on 87 responses). Range for sign-on bonus was \$2,000 - \$85,000

Annual Bonus: 92 graduates reported that they expect to receive an annual bonus

## Average Salary by Major

Major	Surveys with Salaries	Average Salary	Range
Applied Science			
Biomedical Science	6	\$69,083	\$34,000 - \$80,000
Computer & Cognitive Science	1	*	*
Computer Science	17	\$99,941	\$70,000 - \$120,000
Bioengineering	16	\$75,666	\$36,500- \$112,000
Chemical and Biomolecular Engineering	9	\$69,000	\$30,000 - \$99,000
Computer Engineering	4	\$107,500	\$83,000 - \$135,000
Computer Science	54	\$107,676	\$45,000 - \$150,000
Digital Media Design	5	\$89,300	\$75,000 - \$131,500
Electrical Engineering	5	\$101,000	\$85,000 - \$125,000
Individualized	1	*	*
Materials Science and Engineering	4	\$77,500	\$72,000 - \$85,000
Mechanical Engineering and Applied Mechanics	25	\$76,416	\$38,400 - \$175,000
Networked and Social Systems Engineering	6	\$100,833	\$72,500 - \$125,000
Systems Science and Engineering	20	\$80,250	\$57,500 - \$120,000
Grand Total	173	\$90,905	\$30,000 - \$175,000

## Average Salary by School & Degree

Schools	Surveys with Salaries	Average Salary	Range
SEAS Only	98	\$89,055	\$30,000 - \$135,000
SEAS/CAS – Dual Degree	4	\$93,250	\$73,000 - \$115,000
SEAS/SEAS – Dual Degree	23	\$89,377	\$36,500 - \$135,000
SEAS/WH – Dual Degree	44	\$93,352	\$45,000 - \$175,000
SEAS/SEAS/GAS – Triple Degree	1	*	*
SEAS/SEAS/WH – Triple Degree	3	*	*

\*Salary/Salaries not reported to maintain confidentiality, where there are three or fewer responses

## Average Salary by Gender

Schools	Surveys with Salaries	Average Salary	Range
SEAS Only	98		
Female	32	\$83,969	\$34,000 - \$131,500
Male	66	\$91,521	\$30,000 - \$135,000
SEAS/CAS – Dual Degree	4		
Female	0	*	*
Male	4	\$93,250	\$73,000 - \$115,000
SEAS/SEAS – Dual Degree	23		
Female	9	\$74,056	\$36,500 - \$110,000
Male	14	\$99,226	\$56,000 - \$135,000
SEAS/WH – Dual Degree	44		
Female	15	\$83,500	\$57,500 - \$103,000
Male	29	\$98,448	\$45,000 - \$175,000

## Average Salary by Job Type (173 salaries with surveys)

<u>Job Type</u>	<u>Surveys with Salaries</u>	<u>Average Salary</u>	<u>Range</u>
<b>Consulting</b>			
Research	1	*	*
Technology / Information Systems	5	\$77,500	\$72,500 - \$95,000
Management / Strategy	18	\$74,389	\$68,000 - \$90,000
<b>Data Science</b>			
Analyst	9	\$90,000	\$66,000 - \$120,000
<b>Education</b>			
Teaching	1	*	*
<b>Energy/Environment</b>			
Exploration and Production	1	*	*
<b>Engineering</b>			
Design	6	\$78,900	\$38,400 - \$120,000
Manufacturing / Production	5	\$69,000	\$56,000 - \$73,000
Research & Development	6	\$76,733	\$68,000 - \$110,000
Project Management	2	*	*
Systems	1	*	*
<b>Finance</b>			
Investment Banking	11	\$89,545	\$80,000 - \$100,000
Investment Management/Counsel	3	*	*
Securities Research	3	*	*
Trading	5	\$92,800	\$84,000 - \$125,000
Venture Capital Analyst	2	*	*
<b>Information Technology</b>			
Product Designer	1	*	*
Program Manager	8	\$103,313	\$70,500 - \$120,000
Software Developer / Engineer	60	\$110,333	\$65,000 - \$150,000
Technical Analyst	10	\$82,000	\$70,000 - \$115,000
Technical Director	1	*	*
Technical Support Specialist	2	*	*
<b>Management/Administration</b>			
Entrepreneur / Founder	2	*	*
Operations	2	*	*
<b>Marketing</b>			
Product / Brand Management	3	*	*
Sales	1	*	*
<b>Scientific Research</b>			
Biomedical	4	\$39,165	\$30,000 - \$56,160

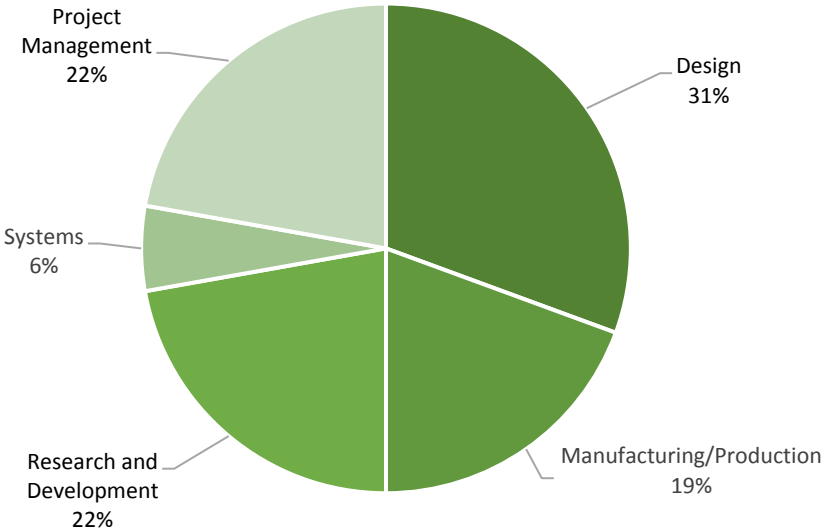
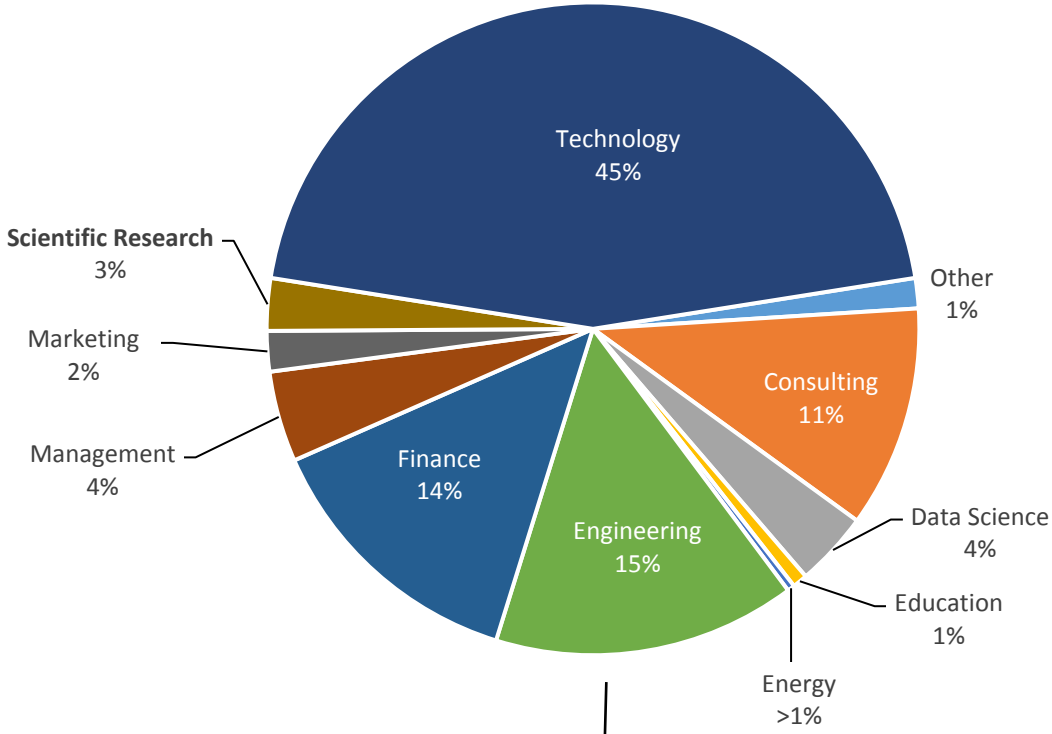
\*Salary/Salaries not reported to maintain confidentiality, where there are three or fewer responses

## Average Salary by Industry (173 surveys with salaries)

Industry	Surveys with Salaries	Average Salary	Range
<b>Communications</b>			
Media/Entertainment	4	\$92,750	\$75,000 - \$120,000
<b>Consulting</b>	24	\$72,854	\$62,000 - \$82,500
<b>Education</b>			
For Profit Education	2	*	*
<b>Energy / Natural Resources / Utilities</b>	4	\$87,500	\$72,000 - \$99,000
<b>Financial Services</b>			
Diversified Financial Services (including Commercial/Retail Banking)	7	\$92,571	\$70,000 - \$130,000
Hedge Fund	7	\$122,857	\$85,000 - \$175,000
Investment Banking/Brokerage	18	\$87,500	\$80,000 - \$100,000
Investment Management/Counsel	8	\$81,875	\$70,000 - \$105,000
Private Equity	1	*	*
Venture Capital	3	*	*
<b>Government</b>	1	*	*
<b>Healthcare</b>	3	*	*
<b>Hospitality/Leisure/Sports</b>	3	*	*
<b>Manufacturing</b>			
Aerospace	4	\$60,350	\$38,400 - \$70,000
Automotive	1	*	*
Biomedical Products/Pharmaceuticals	8	\$69,895	\$56,000 - \$85,000
Computer Products – hardware	2	*	*
Consumer Products	3	*	*
Electronics/Robotics	4	\$88,250	\$48,000 - \$125,000
<b>Non-Profit</b>			
Public Interest/Advocacy	1	*	*
<b>Real Estate / Construction</b>	2	*	*
<b>Technology</b>	62	\$104,508	\$45,000 - \$135,000
<b>Transportation</b>	1	*	*

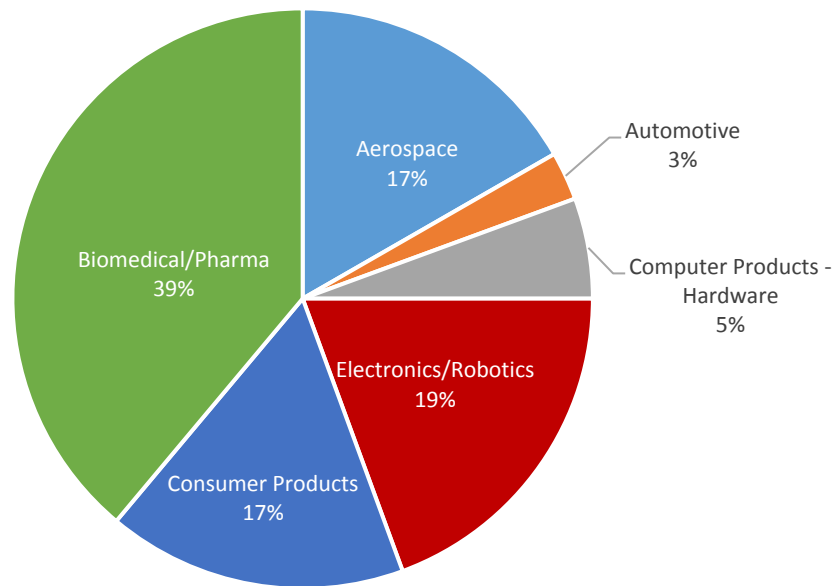
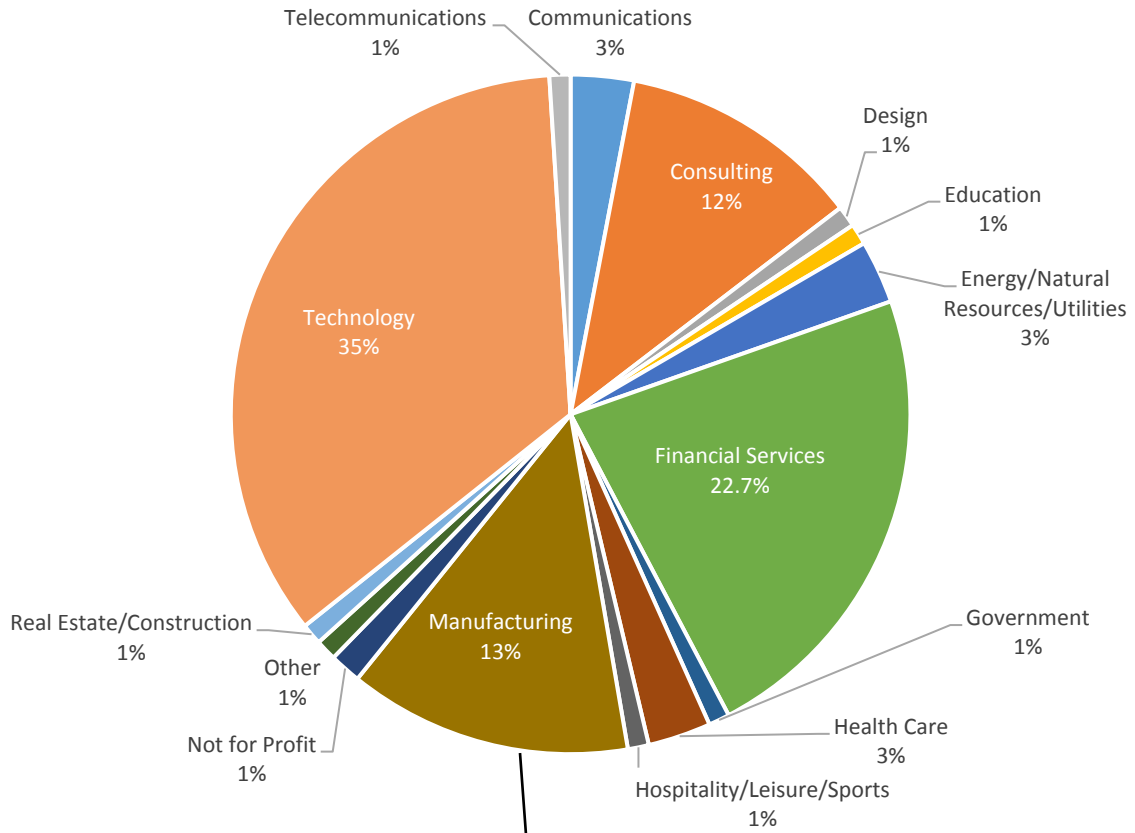
\*Salary/Salaries not reported to maintain confidentiality, where there are three or fewer responses

# All Employed Respondents by Job Type (with Engineering Breakdown)





# All Employed Respondents by Industry (with Manufacturing Breakdown)



## Employers Reported by Major

### ENGINEERING SINGLE DEGREES

#### Applied Science – Biomedical Science

Children's Hospital of Philadelphia, Philadelphia, PA, Clinical Research Assistant  
Collective Health, San Francisco, CA, Member Advocate  
JRI America, Inc., New York, NY, Junior Information Security Practitioner  
Microsoft, Las Colinas, TX, Project Manager  
PwC, New York, NY, Associate

#### Applied Science- Computer Science

Applied Predictive Technologies, Arlington, VA, Associate Product Manager  
BlackRock, New York, NY, Analyst  
Capital One, McLean, VA, Associate Data Engineer  
Citadel LLC, Chicago, IL, Software Engineer  
Enclave Inc., Philadelphia, PA, Project Lead  
Quorum Analytics, Washington, DC, Software Engineer

#### Applied Science - Individualized

LightSpeed Innovations, Los Angeles, CA, Associate Partner

#### Bioengineering

Abbott, Burlington, MA, Product Development Engineer  
Cello Health, New York, NY, Managing Consultant  
DocuSign, San Francisco, CA, Software Engineer  
Epic Systems, Verona, WI, Technical Problem Solver  
Facebook, Menlo Park, CA, Software Engineer  
Google, Mountain View, CA, Software Engineer  
Group K Diagnostics, Philadelphia, PA, CEO  
Guggenheim Partners, New York, NY, Analyst  
Halma, London, Non-US, United Kingdom of Great Britain and Northern Ireland, Graduate Trainee  
Heidrick & Struggles, New York, NY, Analyst  
Hospital of the University of Pennsylvania, Philadelphia, PA, Research Specialist (Neurosurgery)  
Navigant Consulting, New York, NY, Life Science Strategy Consultant  
Novantas, New York, NY, Associate  
The Newman Center @ St. Agatha-St. James, Philadelphia, PA, Assistant Director of Development  
University of Pennsylvania, Philadelphia, PA, Investment Analyst  
University of Pennsylvania Health System, Philadelphia, PA, Research Specialist A  
Venture for America, Cincinnati, OH, Fellow

#### Chemical and Biomolecular Engineering

City of Chicago, Water Department, Chicago, IL, Water Chemist  
Diagio, Location not provided, Process Engineering Lead  
ExxonMobil, Spring, TX, Engineer  
GSK, Philadelphia, PA, Business & Technology Consultant  
Merck and Co., Elkton, VA, Associate Specialist, Engineering  
Merck and Co., West Point, PA, Associate Specialist, Engineering  
Mitsubishi UFJ Financial Group, location not provided, Analyst  
Navigant Consulting, New York, NY, Consultant  
Prudential Fixed Income, Newark, NJ, Investment Professional Rotation Program  
The Brattle Group, Washington, DC, Research Analyst  
University of Pennsylvania Health System, Philadelphia, PA, Harrison Surgical Scholar  
Venture for America, New York, NY, 2017 Venture for America Fellow

## **Computer Engineering**

Bloomberg, New York, NY, Software Engineer  
Facebook, Menlo Park, CA, Production Engineer  
Intel, Allentown, PA, Embedded Software Developer  
Microsoft, Redmond, WA, Program Manager  
NTT Docomo, Tokyo, Japan, Software Engineer

## **Computer Science**

Aerotech, Pittsburgh, PA, Software Engineer  
Affirm, Inc., San Francisco, CA, Software Engineer  
Airbnb, San Francisco, CA, Software Engineer  
Airbnb, San Francisco, CA, Software Engineer  
Amazon, Seattle, WA, Software Development Engineer  
Amazon, Seattle, WA, Software Engineer  
Amazon, Seattle, WA, Software Development Engineer  
Apple, Cupertino, CA, Software Engineer  
Bloomberg, New York, NY, Software Engineer  
Boston Consulting Group Digital Ventures, Manhattan Beach, CA, Product Manager  
Bridgewater, Westport, CT, Technology Associate  
Cadre, New York, NY, Data Engineer  
Capital One, Washington, DC, Software Engineer  
Capital One, McLean, VA, Software Engineer  
Capital One, McLean, VA, Associate Software Engineer  
Codeable 7, Remote, Android Developer  
Comcast, Philadelphia, PA, CORE Technology Associate  
Facebook, Menlo Park, CA, Software Engineer  
Facebook, Menlo Park, CA, Software Engineer  
Goldman Sachs, New York, NY, Title not provided  
Google, New York, NY, Software Engineer  
Google, San Bruno, CA, Software Engineer  
Google, Mountain View, CA, Software Engineer  
Google, Mountain View, CA, Software Engineer  
Google, San Francisco, CA, Software Engineer  
Google, New York, NY, Software Engineer  
Google, Mountain View, CA, Software Engineer  
Guardian Life Insurance Company, Bethlehem, PA, Web Developer  
IBM, New York, NY, Business Consultant  
Linkedin, Location not provided, Associate Product Manager  
MedTrak, Conshohocken, PA, Software Engineer  
Microsoft, Redmond, WA, Software Engineer  
Microsoft, Redmond, WA, Software Engineer  
Microsoft, Seattle, WA, Software Engineer  
Microsoft, Redmond, WA, Software Engineer  
Palantir Technologies, New York, NY, Forward Deployed Engineer  
Palantir Technologies, New York, NY, Forward Deployed Software Engineer  
Piano, Philadelphia, PA, UI/UX Designer  
Qualtrics, Seattle, WA, Software Engineer  
RaiseMe, San Francisco, CA, Software Engineer  
Redfin, Seattle, WA, Software Engineer  
Ripple, San Francisco, CA, Software Engineer  
Self-Employed  
Snap, Los Angeles, CA, Research Engineer  
Spotify, New York, NY, Software Engineer

### **Computer Science (continued)**

Susquehanna International Group, Bala Cynwyd, PA, Application Developer  
Tapad, New York, NY, Software Engineer  
Twitch Inc., San Francisco, CA, Software Engineer  
UiPath, New York, NY, Robotic Process Automation Developer/Consultant  
UiPath, New York, NY, Technical Consultant  
x.ai, New York, NY, Software Engineer  
Yale University, New Haven, CT, Lecturer  
yext, New York, NY, Software Engineer

### **Digital Media Design**

Audible, Software Engineer  
Bloomberg, New York, NY, Software Engineer  
Bridgewater, Westport, CT, Technology Associate  
Esri, Redlands, CA, Product Engineer  
Google, London, United Kingdom of Great Britain and Northern Ireland, Software Engineer  
JPMorgan, New York, NY, Technology Analyst  
Microsoft, Seattle, WA, Software Engineer  
MPC, Vancouver, British Columbia, Layout Discipline Developer

### **Electrical Engineering**

Qualtrics, Seattle, WA, Software Engineer  
Sonos, Boston, MA, Software Development Engineer in Test  
Tomorrow Lab, New York, NY, Electrical Engineering Intern

### **Materials Science and Engineering**

Mount Sinai Health System, New York, NY, Research Associate  
ZS Associates, Philadelphia, PA, Decision Analytics Associate

### **Mechanical Engineering and Applied Mechanics**

A.T. Kearney, New York, NY, Business Analyst  
Amber Connect Ltd., Kingston, Jamaica Product Manager  
Apple, Cupertino, CA, Product Design Intern Special Projects Group  
Bessolo Design Group, St. Petersburg, FL, Mechanical Engineer  
BlackRock, New York, NY, Analyst  
Blue Origin, Kent, WA, Intern  
Blue Origin, Kent, WA, Engineering Intern  
Capital One, McLean, VA, Software Engineer  
CliftonLarsonAllen, Location not provided, Audit Associate  
Credit Suisse, New York, NY, Analyst  
Deloitte, New York, NY, Business Technology Analyst  
Deutsche Bank, New York, NY, Analyst  
GE Power, Location not provided, Operations Management Leadership Program  
Holtec Int., Camden, NJ, Operations Engineer  
IBM, New York, NY, Consultant  
Jacobs, Philadelphia, PA, Engineer in Training  
Lilitofu, San Francisco, CA, Front End Engineer  
Matchstick LLC, Boonton, NJ, Associate  
MathWorks, Natick, MA, Application Support Engineer  
McCormick, Hunt Valley, MD, Process Engineer (3-year Supply Chain Rotation Program)  
Microsoft, Dallas, TX, Support Planner (Project Manager)  
NAVSEA, Philadelphia, PA, Systems Engineer  
Details not provided

### **Mechanical Engineering and Applied Mechanics**

Schlumberger, Dickinson, ND, Field Engineer  
Squarespace, New York, NY, Software Engineer  
Stone Ridge Asset Management, New York, NY, Project Associate

### **Networked and Social Systems Engineering**

Deloitte, New York, NY, Business Technology Analyst  
Deloitte, New York, NY, Business Technology Analyst  
Flatiron Health, New York, NY, Software Engineer  
Marathon Trading, New York, NY, Trader  
Teachers Pay Teachers, New York, NY, Data Scientist

### **Systems Science and Engineering**

Amazon, New York, NY, Software Engineer  
BlackRock, New York, NY, Analyst  
Blackstone, New York, NY, Business Analyst  
Google, New York, NY, Associate Product Manager  
GreenWatts, Veracruz, Mexico, CEO & Co-Founder  
IBM, Boston, MA, Business Strategy Consultant  
Insight Venture Partners, New York, NY, Investment Analyst  
Lisa Communications Limited, Port of Spain, Trinidad and Tobago, Project Manager  
Lockheed Martin, Liverpool, NY, Software Engineer  
QuintilesIMS Health Consulting Services, New York, NY, Consulting Analyst  
RBC Capital Markets, New York, NY, Global Investment Banking Analyst  
Venture for America, Nashville, TN, Fellow

## **ENGINEERING DUAL DEGREES (BAS/BSE & MSE)**

### **Bioengineering**

AllSourcePPS, Elkton, VA, Associate Engineer II  
Children's Hospital of Philadelphia, Philadelphia, PA, Research Technician  
Core Human Factors, Bala Cynwyd, PA, Associate  
Diassess Inc, Emoryville, CA, Associate Integration Engineer  
Intel, Santa Clara, CA, Hardware Engineer  
Merit Medical Systems, Malvern, PA, R&D Engineer  
Q-State Biosciences, Cambridge, MA, Research Associate I  
Regeneron Pharmaceuticals, Inc., Tarrytown, NY, Assay Development Associate II

### **Chemical and Biomolecular Engineering**

CytoSorbents Corporation, Monmouth Junction, NJ, Associate Research Engineer

### **Computer Engineering**

Microsoft, Cambridge, MA, Software Engineer  
Wealthfront, Redwood City, CA, Software Engineer

### **Computer Science**

Bloomberg, New York, NY, Software Engineer  
Cloudflare Inc., San Francisco, CA, Systems Engineer  
Google, Seattle, WA, Software Engineer  
Intersystems, Boston, MA, Software Engineer  
Microsoft, Seattle, WA, Software Engineer  
Palantir Technologies, Palo Alto, CA, Application Security Engineer  
Volant Trading, New York, NY, Software Engineer

### **Digital Media Design**

Blue Sky Studios, Greenwich, CT, Department Technical Director  
Goldman Sachs, Jersey City, NJ, Technology Analyst

### **Electrical Engineering**

Capital One, Arlington, VA, Product Manager/Business Analyst  
Florida Power & Light Company, , FL, Protection & Control Engineer  
Intuitive Surgical Inc., Sunnyvale, CA, Electrical Engineer

### **Mechanical Engineering and Applied Mechanics**

Ally Financial, Detroit, MI, Software Engineer  
Arconic, New Kensington, PA, Process Modeling Engineer  
Children's Hospital of Philadelphia, Philadelphia, PA, Clinical Research Coordinator  
Comcast, Philadelphia, PA, Mechanical Engineer  
Eaton, Cleveland, OH, Engineering & Technology Leadership Development Program  
Honeybee Robotics, Pasadena, CA, Project Engineer  
IFDC, Irvine, CA, Portfolio Management Associate  
Million Dollar Baby, Los Angeles, CA, Operations Associate  
Sarcos, Salt Lake City, UT, Mechanical Engineer

### **Networked and Social Systems Engineering**

Airbnb, San Francisco, CA, Software Engineer  
Google, New York, NY, Software Engineer  
Kaarta Inc., Pittsburgh, PA, Full Stack Software Engineer

### **Systems Science and Engineering**

Civis Analytics, Chicago, IL, Data Analyst

## **ENGINEERING & CAS**

### **Applied Science – Computer and Cognitive Science & Cognitive Science**

Goldman Sachs, Jersey City, NJ, Technology Analyst

### **Chemical and Biomolecular Engineering and Chemistry**

University of Pennsylvania Health System, Philadelphia, PA, Ophthalmic Scribe

### **Computer Science & Physics/Astronomy**

Facebook, New York, NY, Software Engineer

### **Electrical Engineering & Physics/Astronomy**

Kylin Management, New York, NY, Analyst

### **Materials Science and Engineering & Earth Science**

WL Gore, Newark, DE, Engineer

## **ENGINEERING & WH**

### **Applied Science-Biomedical Science**

Boston Consulting Group, Philadelphia, PA, Associate  
McKinsey & Company, Philadelphia, PA, Business Analyst

### **Applied Science- Computer Science**

Amazon, Seattle, WA, Software Development Engineer  
Apple, Cupertino, CA, Engineering Product Manager  
Applied Predictive Technologies, Arlington, VA, Associate Product Manager  
Barclays, New York, NY, Investment Banking Analyst  
Biobots, Philadelphia, PA, Software Engineer  
Evercore, New York, NY, Restructuring Analyst  
Evercore, New York, NY, Investment Banking Analyst  
Fulbright Program - U.S. Department of State, Taiwan, English Teaching Assistant  
Goldman Sachs, New York, NY, Analyst  
Lyft, San Francisco, CA, Data Scientist  
Marathon Trading, New York, NY, Trader  
McKinsey & Company, New York, NY, Business Analyst  
McKinsey & Company, New York, NY, Business Analyst  
Microsoft, Redmond, WA, Program Manager  
Morgan Stanley, Menlo Park, CA, Investment Banking Analyst  
Morgan Stanley, San Francisco, CA, Technology Investment Banking Analyst  
MTS Health Partners, New York, NY, Analyst  
Originate, Inc, Los Angeles, CA, Software Engineer  
SpaceX, Hawthorne, CA, Financial Analyst  
Wells Fargo Securities, New York, NY, Analyst  
Zynga, San Francisco, CA, Product Manager

### **Bioengineering**

Bank of America Merrill Lynch, San Francisco, CA, Healthcare Investment Banking Analyst  
Credit Suisse, San Francisco, CA, Investment Banking Analyst  
Quartet Health, Location not provided, Client Engagement

### **Chemical and Biomolecular Engineering**

Flow Traders, New York, NY, Trader  
Details not provided

### **Computer Science**

Amazon, Cambridge, MA, Software Development Engineer  
Amazon, Seattle, WA, Software Engineer  
AQR Capital Management, Greenwich, CT, Research Analyst  
Coursera, San Francisco, CA, Software Engineer  
Dropbox, San Francisco, CA, Product Manager  
Facebook, Menlo Park, CA, Data Scientist  
Five Rings Capital, New York, NY, Software Developer  
McKinsey & Company, San Francisco, CA, Business Analyst  
NerdWallet Inc., San Francisco, CA, Software Engineer  
Plasticity, San Francisco, CA, Co-Founder  
Plasticity, San Francisco, CA, Co-Founder  
Undisclosed Startup, New York, NY, Co-Founder

### **Electrical Engineering**

Applied Predictive Technologies, Arlington, VA, Business Consultant

### **Individualized**

Bessemer Venture Partners, New York, NY, Analyst

### **Materials Science and Engineering**

Bain & Company, Boston, MA, Associate Consultant  
Centerview Partners, New York, NY, Investment Banking Analyst  
System1, Los Angeles, CA, Data Analyst

### **Mechanical Engineering and Applied Mechanics**

AQR Capital Management, Greenwich, CT, Research Analyst  
Avascent, Washington, DC, Analyst  
Deloitte, New York, NY, Business Analyst  
ExxonMobil, Houston, TX, Lubricants Sales Representative  
Hasbro, Providence, RI, Assistant Brand Manager  
Qatalyst Partners, San Francisco, CA, Analyst  
Strategy&, New York, NY, Associate  
Tesla, Inc., Palo Alto, CA, Business Operations Analyst  
Wells Fargo, New York, NY, Investment Banking Analyst

### **Systems Science and Engineering**

A.T. Kearney, New York, NY, Business Analyst  
Amazon, Seattle, WA, Brand Specialist  
Capital One, New York, NY, Business Analyst  
Capital One, New York, NY, Product Management & Analytics  
Censeo Consulting Group, Washington, DC, Business Analyst  
Deutsche Bank, New York, NY, Global Markets Analyst  
Facebook, Menlo Park, CA, Product Specialist  
iSight.ai, Los Altos Hills, CA, Co-Founder and Vice President of Business Development  
Moelis & Company, Los Angeles, CA, Investment Banking Analyst  
Oliver Wyman, New York, NY, Consultant  
Perella Weinberg Partners, New York, NY, Analyst  
Signal Hill, Boston, MA, Investment Banking Analyst

### **ENGINEERING & WH & SEAS (MSE in CIS)**

#### **Computer Science**

Amazon, Seattle, WA, Software Engineer  
Google, Mountain View, CA, Software Engineer  
Microsoft, Redmond, WA, Software Engineer

### **ENGINEERING & WH & SAS (MA in Applied Math & Computational Science)**

#### **Electrical Engineering**

Citadel LLC, New York, NY, Junior Trader



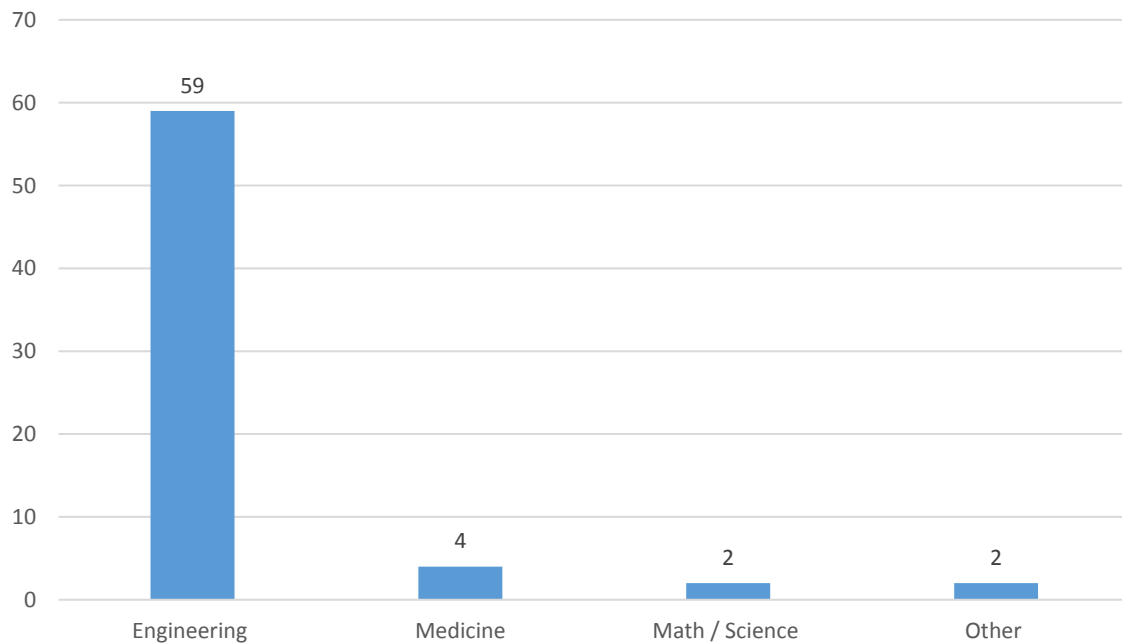
## SECTION 3 - ANALYSIS OF GRADUATE STUDY RESPONDENTS\*

### Degrees Pursued

Undergraduate Major	Masters	PhD	MD/DMD	MD/PhD	Postbac
AS – Biomedical Science	1		1		
AS – Computer Science	2				
Bioengineering	12	4	2		1
Chemical & Biomolecular Engineering	5	4	1		1
Computer Science	9	5			
Digital Media Design	1				
Materials Science & Eng.		4			
Mechanical Eng. & Applied Mechanics	11	1			
Systems Science & Engineering	1	1			
<b>Total</b>	<b>42</b>	<b>19</b>	<b>4</b>		<b>2</b>

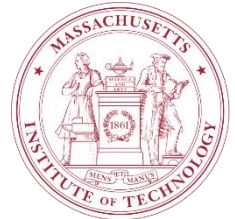
\*By SEAS undergraduate major

### Fields of Full-time Graduate Study



## Graduate Schools Reported by Major

### Graduate Schools to be Attended by Two or More Graduate Study Respondents



### ENGINEERING UNDERGRADUATE MAJORS

#### Applied Science – Biomedical Science

University of Pennsylvania, Philadelphia, PA, MB, Biotechnology

University of Washington, Seattle, WA, MD

#### Applied Science – Computer Science

Institut Polytechnique de Grenoble: Grenoble Institute of Technology, Grenoble, France, MS, Ubiquitous and Interactive Systems

University of Pennsylvania, Philadelphia, PA, MSE, Computer & Information Science

#### Bioengineering

Duke University, Durham, NC, MD

Georgia Institute of Technology, Atlanta, GA, PhD, Biomedical Engineering

Rice University, Houston, TX, MSE, Global Medical Innovation (Bioengineering)

Seoul National University, Seoul, Republic of Korea, MD, Medicine

Stanford University, Stanford, CA, PhD, Bioengineering

University of California - San Diego, San Diego, CA, PhD, Computer Science

University of Cambridge, Cambridge, United Kingdom of Great Britain and Northern Ireland, MPhil, Engineering

University of Pennsylvania, Philadelphia, PA, MSE, Biotechnology

University of Pennsylvania, Philadelphia, PA, MSE, Bioengineering

University of Pennsylvania, Philadelphia, PA, MSE, Bioengineering

University of Pennsylvania, Philadelphia, PA, MSE, Bioengineering

University of Pennsylvania, Philadelphia, PA, Other, Post Bac for Medical School

University of Pennsylvania, Philadelphia, PA, MSE, Bioengineering

University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering and Applied Mechanics

University of Pennsylvania, Philadelphia, PA, MSE, Systems Engineering

University of Pennsylvania, Philadelphia, PA, MSE, Bioengineering

University of Pennsylvania, Philadelphia, PA, MSE, Bioengineering

University of Southern California, Los Angeles, CA, MS, Biomedical Engineering (Medical Device & Diagnostic Engineering)

University of Virginia, Charlottesville, NY, PhD, Bioengineering

#### Chemical and Biomolecular Engineering

Harvard Medical School, Boston, MA, United States of America, MD

Johns Hopkins University, Baltimore, MD, PhD, Chemical and Biomolecular Engineering

### **Chemical and Biomolecular Engineering (continued)**

Northwestern University, Evanston, IL, PhD, Engineering, Chemical and Biological Engineering  
Stanford University, Palo Alto, CA, PhD, Engineering, Chemical Engineering  
University College London, London, United Kingdom, MSE, Drug Development & Pharmaceutical Management  
University of Delaware, Newark, DE, PhD, Engineering, Chemical Engineering  
University of Pennsylvania, Philadelphia, PA, MB, Biotechnology  
University of Pennsylvania, Philadelphia, PA, Other, Post Bac for Medical School  
University of Pennsylvania, Philadelphia, PA, MB, Biotechnology  
University of Pennsylvania, Philadelphia, PA, MSE, Engineering, Chemical and Biomolecular Engineering  
University of Pennsylvania, Philadelphia, PA, MSE, Engineering, Chemical and Biomolecular Engineering

### **Computer Science**

Carnegie Mellon University, Pittsburgh, PA, PhD, Engineering, Robotics  
Carnegie Mellon University, Pittsburgh, PA, PhD, Computer Science  
Johns Hopkins University, Baltimore, MD, MSE, Engineering  
Massachusetts Institute of Technology, Cambridge, MA, PhD, Engineering, Computer Science  
Princeton, Princeton, NJ, PhD, Computer Science  
University of Pennsylvania, Philadelphia, PA, MSE, Computer & information Science  
University of North Carolina - Chapel Hill, NC, PhD, Mathematics  
University of Pennsylvania, Philadelphia, PA, MSE, Engineering, Robotics  
University of Pennsylvania, Philadelphia, PA, MSE, Computer & Information Science  
University of Pennsylvania, Philadelphia, PA, MSE, Computer & Information Science  
University of Pennsylvania, Philadelphia, PA, MSE, Computer & Information Science  
University of Pennsylvania, Philadelphia, PA, MSE, Computer & Information Science  
University of Pennsylvania, Philadelphia, PA, MSE, Computer Graphics & Game Technology  
University of Pennsylvania, Philadelphia, PA, MSE, Robotics

### **Digital Media Design**

University of Pennsylvania, Philadelphia, PA, MSE, Computer Graphics & Game Technology

### **Materials Science and Engineering**

Georgia Institute of Technology, Atlanta, GA, PhD, Materials Science and Engineering  
Georgia Institute of Technology, Atlanta, GA, PhD, Materials Science and Engineering  
Massachusetts Institute of Technology, Cambridge, MA, PhD, Materials Science and Engineering  
University of California at Berkeley, Berkeley, CA, PhD, Materials Science and Engineering

### **Mechanical Engineering and Applied Mechanics**

Stanford University, Palo Alto, CA, PhD, Mechanical Engineering  
University of Michigan, Ann Arbor, MI, MSE, Aerospace Engineering  
University of Pennsylvania, Philadelphia, PA, MIPD, Integrated Product Design  
University of Pennsylvania, Philadelphia, PA, MSE, Design for Manufacturing  
University of Pennsylvania, University of Pennsylvania, PA, MSE, Robotics  
University of Pennsylvania, University of Pennsylvania, PA, MSE, Robotics  
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics  
University of Pennsylvania, Philadelphia, PA, MSE, Robotics  
University of Pennsylvania, Philadelphia, PA, MSE, Robotics  
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics  
University of Pennsylvania, Philadelphia, PA, MSE, Robotics  
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics

### **Systems Engineering**

Stanford University, Palo Alto, CA, PhD, Electrical Engineering  
University of Pennsylvania, Philadelphia, PA, MSE, Systems Engineering