

Overview

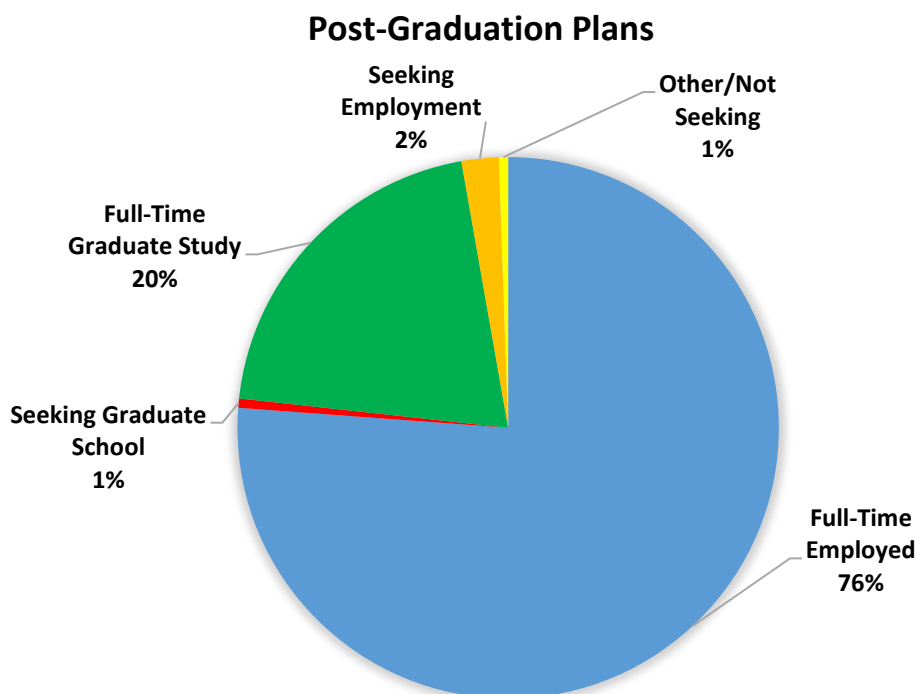
Each year Career Services surveys the School of Engineering & Applied Science (SEAS) graduating class to gather information about their post-graduation plans. This report summarizes the responses from August and December 2015, May 2016 Bachelor of Science in Engineering (BSE) and Bachelor of Applied Science (BAS) degree recipients. The school awarded 405 undergraduate degrees. Career Services received 361 responses, representing an 89.1% response rate.

At the time of the survey, there was a 7% increase over last year in the number of students pursuing full-time graduate study, while the number of students accepting full-time employment decreased slightly, by 2%. As in the previous year, 2% of the students indicated they were seeking employment and 1% were seeking graduate school admission. Consulting, Financial Services, and Manufacturing are by far the most represented industries, at 30, 29, and 27% representation, respectively. Another 7% of full-time employed students entered government work.

The overall average salary of the employed respondents rose by 5.7% to \$87,571 and 114 students reported receiving a sign-on bonus. As expected, 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 \$79,697 compared to the national average of \$66,121. Graduates in computer related majors at Penn averaged \$101,267 compared to the national average of \$71,534 for graduates with computer related degrees. The national averages are provided by the National Association of Colleges and Employers, *NACE Salary Survey, Fall 2016 Executive Summary*.

Of the 181 students reporting the date they received their job offer, 97% of them had their full-time positions by graduation. Full-time employed engineers had an average of two job offers, and 57% accepted positions in the Mid-Atlantic or Northeast regions, the same as last year. The leading areas of study for students going to graduate school were 72% in engineering and 19% in medicine.

Rosette Pyne, Senior Associate Director
Mike Klein, Graduate Assistant
January 2017



METHODOLOGY

Engineering students graduating with either a BAS or BSE degree in August 2015, December 2015 and May 2016 responded to several email requests to complete the Career Plans Survey on line between April and November 2016. The SEAS Academic Programs Office sent an email to the graduating students asking them to complete the survey as part of the graduation process. In November, 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 accessed to find or identify any updated information from those who had not responded to all requests, and this information was used, if subsequent follow-up was verified by the graduates or the department. 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>2015-2016 %</u>	<u>2014-2015 %</u>
Full-Time Employment	275	76	78
Attending Full-Time Graduate School	74	21	14
Seeking Full-time Employment	8	2	4
Seeking Graduate School Admission	2	1	2
Other	1	<1	1
Not Seeking	1	<1	1
TOTAL	361	100.0	100

SECTION 2 - ANALYSIS OF EMPLOYED RESPONDENTS

Number Accepted	Organization
18	Google
8	Microsoft
7	Deloitte, Palantir Technologies, PricewaterhouseCoopers
6	Goldman Sachs
5	Bloomberg, Amazon
4	McKinsey & Company, Boston Consulting Group,
3	AirbnbApple, Bain & Company, Citadel, Dow Chemical, Ernst & Young, Fulbright Program, IBM, MongoDB, Oliver Wyman
2	Bank of America, Capital One, Epic, Facebook, Halma plc, JP Morgan, Moelis & Co, Morgan Stanley, Naval Surface Warfare Center, Two Sigma
1	Selected Organizations: AT&T, Boeing, Consolidated Edison, Dreamworks Animation, ExxonMobil, Ford Motor Co., General Motors, GlaxoSmithKline, Holtec Int'l, Honeywell, L'Oreal, Merck, Nike, Pixar, SpaceX

Date Received Offer

Geographic Distribution of Jobs

<u>Area</u>	<u>Number</u>	<u>Percent %</u>
United States		
Northeast	17	6
Mid-Atlantic	141	52
Southeast	10	4
Midwest	15	5
Southwest	1	<1
West	62	23
Northwest	15	5
Abroad	11	4
Total	272	100.0%

13% of students received the job offer they accepted before returning for their Senior year

97% received their job offer by Graduation*

*181 reporting

On-Campus Recruiting Interview Activity

Total Number of Employers: 334
 Total Number of Scheduled Interviews: 8,910

Range and Average Number of First Round Interviews per Employed Student

	<u>Range</u>	<u>Average</u>
All First Round Interviews	1 - 47	7.1



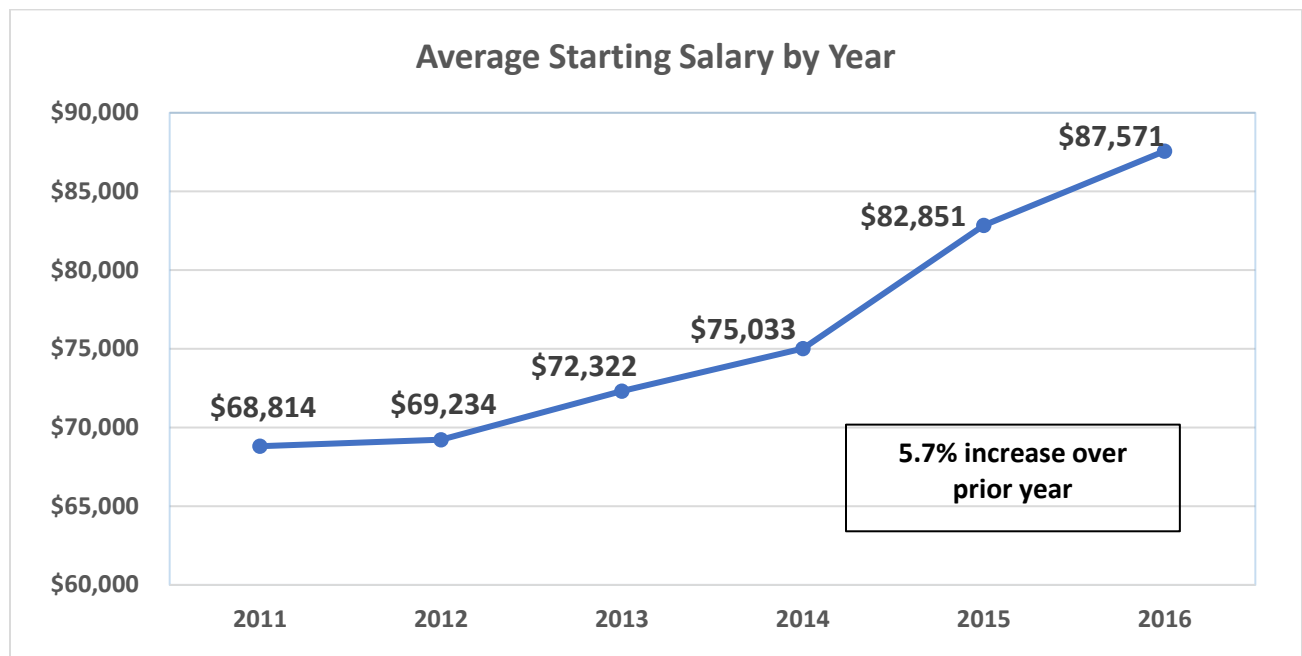
Range and Average Number of Job Offers Received Per Student

	<u>Range</u>	<u>Average</u>
All Job Offers	1 - 10	2.2



How Full-time Employed Respondents Received Their Job Offer

On-Campus Recruiting (OCR)	29.4%
Previous OCR Employer (summer internship obtained through OCR, resulting in full-time offer)	17.2%
Applied Directly to Organization	14.2%
Other Career Services Leads (career fairs, job postings, meet & greet events, programs)	13.2%
Previous non-OCR Employer (summer internship not obtained through OCR, resulting in full-time offer)	10.2%
Contacts	10.2%
Other	4.1%
Department	1.5%



Average Starting Salary

64% of the employed students reported their salaries

The salary range for 2016 was \$34,000 - \$150,000, with the average being \$87,571

Average Bonus Figure

Sign-on Bonus: \$12,202 (based on 114 responses). Range for sign-on bonus was \$2,000 - \$90,000

Annual Bonus: 88 graduates reported that they expect to receive an annual bonus

Average Salary by Major and School

Major	Surveys with Salaries	Average Salary	Range
Applied Science			
Biomedical Science	1	*	*
Computer Science	16	\$92,361	\$45,000 - \$150,000
Bioengineering	13	\$69,577	\$34,000 - \$100,000
Chemical and Biomolecular Engineering	12	\$69,923	\$59,500 - \$75,072
Computer Engineering	6	\$94,000	\$64,000 - \$125,000
Computer Science	52	\$104,846	\$50,000 - \$150,000
Digital Media Design	8	\$94,406	\$52,000 - \$120,750
Electrical Engineering	5	\$80,279	\$75,000 - \$85,000
Materials Science and Engineering	11	\$76,318	\$62,000 - \$95,000
Mechanical Engineering and Applied Mechanics	31	\$73,598	\$43,000 - \$110,000
Networked and Social Systems Engineering	5	\$101,200	\$80,000 - \$110,000
Systems Science and Engineering	17	\$79,941	\$60,000 - \$100,000
Grand Total	177	\$87,571	\$34,000 - \$150,000

Schools	Surveys with Salaries	Average Salary	Range
SEAS Only	112	\$86,118	\$34,000 - \$150,000
SEAS/CAS – Dual Degree	5	\$77,756	\$45,000 - \$105,780
SEAS/SEAS – Dual Degree	21	\$91,667	\$60,000 - \$130,000
SEAS/WH – Dual Degree	39	\$90,795	\$60,000 - \$150,000

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

Average Salary by Gender

School	Surveys with Salaries	Average Salary	Range
SEAS Only			
Female	41	\$86,640	\$59,500 - \$120,000
Male	68	\$84,971	\$34,000 - \$150,000
SEAS/CAS - Dual Degree			
Female	0	*	*
Male	4	\$78,445	\$45,000 - \$105,780
SEAS/SEAS - Dual Degree			
Female	4	\$81,125	\$72,000 - \$100,000
Male	17	\$94,147	\$60,000 - \$130,000
SEAS/WH - Dual Degree			
Female	14	\$86,143	\$70,000 - \$106,000
Male	24	\$93,125	\$60,000 - \$150,000

Average Salary by Job Type

Job Type	Surveys with Salaries	Average Salary	Range
Consulting			
Research	2	*	*
Technology / Information Systems	11	\$75,773	\$60,000 - \$105,000
Management / Strategy	18	\$75,861	\$65,000 - \$80,000
Data Science			
Analyst	9	\$98,333	\$70,000 - \$150,000
Energy/Environment			
Exploration and Production	1	*	*
Engineering			
Construction	2	*	*
Design	7	\$69,890	\$54,000 - \$100,000
Manufacturing / Production	10	\$69,887	\$46,800 - \$98,000
Research & Development	6	\$76,733	\$62,000 - \$102,000
Project Management	7	\$73,071	\$64,000 - \$100,000
Quality Assurance	1	*	*
Finance			
Financial Planning & Analysis (non-banking)	1	*	*
Risk Management	1	*	*
Investment Management/Counsel	2	*	*
Private Equity	2	*	*
Securities Research	2	*	*
Investment Banking	7	\$87,143	\$75,000 - \$100,000
Sales	1	*	*
Trading	1	*	*
Information Technology			
Software Developer / Engineer	60	\$106,238	\$68,000 - \$150,000
Web Designer / Developer	2	*	*
Technical Analyst	9	\$90,556	\$80,000 - \$120,000
Program Manager	4	\$94,250	\$60,000 - \$106,000
Product Designer	1	*	*
Technical Support Specialist	1	*	*
Management/Administration			
General Management	1	*	*
Entrepreneur / Founder	1	*	*
Marketing			
Product / Brand Management	2	*	*
Marketing Analysis / Research	1	*	*
Non-Profit			
Program Planning	1	*	*
Real Estate			
Real Estate Investment	1	*	*
Scientific Research			
Biomedical	1	*	*

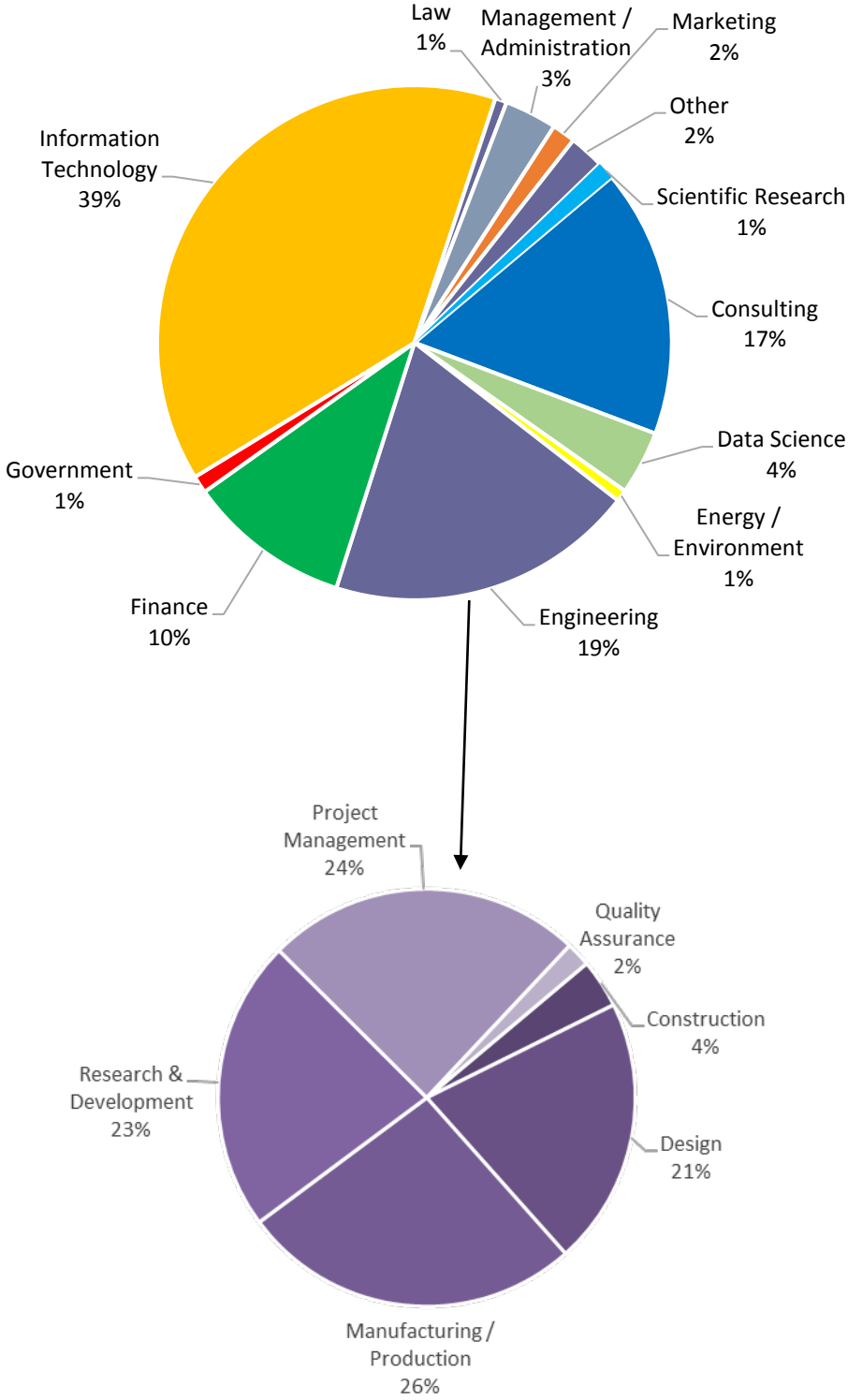
*Salary/Salaries not reported to maintain confidentiality, where there are three or fewer responses

Average Salary by Industry

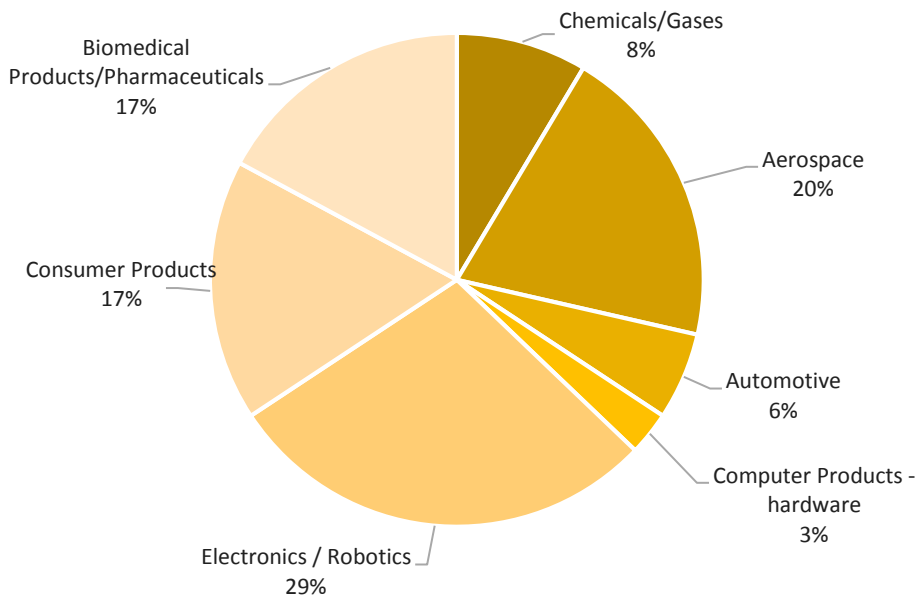
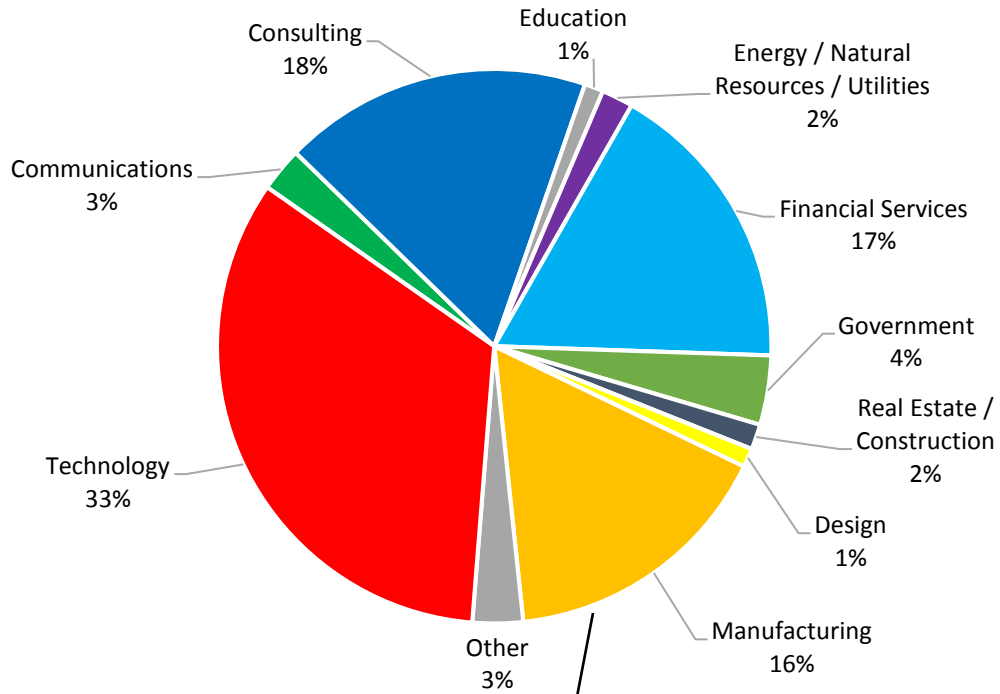
<u>Industry</u>	<u>Surveys with Salaries</u>	<u>Average Salary</u>	<u>Range</u>
Communications			
Media/Entertainment	1	*	*
Consulting	35	\$74,257	\$53,000 - \$105,000
Education			
For Profit Education	1	*	*
Energy / Natural Resources / Utilities	4	\$60,250	\$55,000 - \$64,000
Financial Services			
Diversified Financial Services (including Commercial/Retail Banking)	4	\$71,000	\$64,000 - \$75,000
Hedge Fund	9	\$116,667	\$85,000 - \$150,000
Investment Banking/Brokerage	14	\$86,429	\$80,000 - \$100,000
Investment Management/Counsel	2	*	*
Private Equity	4	\$102,500	\$85,000 - \$150,000
Government	1	*	*
Healthcare	2	*	*
Information Technology	1	*	*
Manufacturing			
Chemicals/Gases	3	*	*
Aerospace	3	*	*
Automotive	1	*	*
Electronics / Robotics	6	\$79,333	\$68,000 - \$100,000
Consumer Products	6	\$66,167	\$60,000 - \$75,000
Biomedical Products/Pharmaceuticals	2	*	*
Other	3	*	*
Non-Profit			
Public Interest/Advocacy	1	*	*
Social Services	1	*	*
Real Estate / Construction	3	*	*
Design	2	*	*
Transportation	1	*	*
Technology	65	\$103,762	\$45,000 - \$130,000
Telecommunications	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- Computer Science

Airbnb, San Francisco, CA, Software Engineer
Google, Mountain View, CA, Software Engineer
Blackstone, New York, NY, Full Stack Software Developer
Class Tracks, Philadelphia, PA, UX/UI Designer
Goldman Sachs, New York, NY, Analyst
Nielsen, New York, NY, Data Science Analyst
Strava, San Francisco, CA, Software Engineer

Bioengineering

AlphaImpactRx, Philadelphia, PA, Analyst
Boston Children's Hospital, Boston, MA, Research Assistant
Brookhaven, Upton, NY, Research Assistant
Deloitte, Philadelphia, PA, Business Technology
Diassess, Inc., Emeryville, CA, Business Development
Fulbright, Chengdu, China
Fulbright, Mumbai, India, U.S. Research Student
Ghost, Philadelphia, PA, Research Consultant
Halma plc, Amersham, UK
Halma plc, London, UK, Halma Graduate Development Programme Trainee
IBM, New York, NY, Software Engineer
ICON, North Wales, PA, Analyst
Laurence, Livermore, CA, Post College Appointee
PwC, New York, NY, Associate
Radiate, Malvern, PA, Software Engineer
Saama Capital, Bangalore, India, Investment Analyst
Strategic Research Insights, Princeton, NJ, Associate Manager – Market Research
Vida Identity, New York, NY, Software Developer

Chemical and Biomolecular Engineering

Alfaro, Davila y Rios, Monterrey, Mexico, Analyst
Argus, New York, NY, Associate
Dickinson, Troy, MI, Intellectual Property Intern
Dow Chemical, Newark, DE, Production Engineer
Dow Chemical, Newark, DE, Run Plant Engineer
Dow Chemical, Marlborough, MA, Production Engineer
Epic, Verona, WI, Integration Engineer
GE Capital, Stamford, CT, Investment Analyst
GlaxoSmithKline, Philadelphia, PA, Future Leaders Program
Gro, New York, NY, Research Analyst
Kraft Heinz, Chicago, IL, Corporate Management Trainee
L'Oreal, Clark, NJ, Purchaser (Management Rotation Program)
McAdam, Anaheim, CA, R&D Process Engineer
Merlin Solar, Mountain View, CA, Process Engineer
Nalas, Centerbrook, CT, Chemical Engineer
Nike, Portland, OR, Global Procurement Analyst
PwC, New York, NY, Associate
PwC, New York, NY, Management Consulting Associate
WSP/Parsons, Washington, D.C., Associate Consultant

Computer Engineering

Amazon, Seattle, WA, Software Development Engineer
Comcast, Philadelphia, PA, CORE Technology Associate
Microsoft, Seattle, WA, Engineer

Spot Trading, Chicago, IL, Software Developer
Two Sigma, New York, NY, Software Engineer

Computer Science

Airbnb, San Francisco, CA, Software Engineer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Software Development Engineer
Apple, Cupertino, CA, Software Developer
Asana, San Francisco, CA, Software Engineer
AT&T, Middletown, NJ, Associate Applications Developer
Bank of America Merrill Lynch, Rochester, NY, Analyst
Bloomberg, New York, NY, Software Developer
Bloomberg, New York, NY, Software Engineer
Bloomberg, New York, NY, Software Engineer
Bloomberg, New York, NY, Software Engineer
Bridgewater, Westport, CT, Technology Associate
Digitech, Briarcliff, NY, Junior Software Engineer
Ernst & Young, New York, NY, Technology Consultant
GameChanger, New York, NY
Goldman Sachs, New York, NY, Technology Analyst
Goldman Sachs, New York, NY, Technology Analyst
Goldman Sachs, New York, NY, Technology Analyst
Goldman Sachs, New York, NY, Technology Analyst
Google, Mountain View, CA, Software Engineer
Google, New York, NY, Software Developer
Google, New York, NY, Software Engineer
Google, New York, NY, Software Engineer
Google, New York, NY, Software Engineer
Google, New York, NY, Software Engineer
Google, New York, NY, Software Engineer
Google, San Bruno, CA, Software Engineer
Google, San Francisco, CA, Software Development Engineer
Google, San Francisco, CA, Software Engineer
IBM, New York, NY, Java Developer
Jane Street Group LLC, New York, NY, Software Developer
Junto Lab, San Francisco, CA, Founder
Materials Sciences Corporation, Horsham, PA, Junior Systems Engineer
Microsoft, Seattle, WA, Software Engineer
Mizuho, New York, NY, Systems Engineer
MongoDB, New York, NY, Software Engineer
MongoDB, New York, NY, Software Engineer
Palantir, New York, NY, Deployment Strategist
Palantir, New York, NY, Forward Deployed Software Engineer
Palantir, New York, NY, Forward Deployed Software Engineer
Phaltworks, Associate Consulting Developer
Salesforce, San Francisco, CA
Squarespace, New York, NY, Software Engineer
StackRox, Mountain View, CA, Member of Technical Staff
Synack, Inc., Redwood, CA, Engineer
Uber, San Francisco, CA, Software Engineer
Zipline, San Francisco, CA, Software Engineer

Digital Media Design

Blue Sky, Scarsdale, NY, Production Engineer
Calssy.org, San Diego, CA, Software Engineer
Dreamworks, Glendale, CA, Technical Director
Google, New York, NY, Software Engineer

Google, New York, NY, Software Engineer
Pixar, Emeryville, CA, Technical Officer
Littlestar, New York, NY, Android Engineer
LockerDome, St. Louis, MO, Web Developer
Slack, San Francisco, CA, Associate Frontend Engineer
ThoughtWork, New York, NY, Associate Consultant
Uchiko Town, Japan, Alternate Language Teacher

Electrical Engineering

Capital One, McLean, VA, Business Analyst
Ford Motor, Detroit, MI, Powertrain Controls Engineer
JP Morgan, New York, NY, Tech Analyst

Materials Science and Engineering

Deloitte, San Francisco, CA, Business Technology Analyst
Gartner, London, U.K., Business Associate
Merck, NJ, Merck Manufacturing Leadership Development Program
National Service, Taiwan
NewellRubbermaid, Charlotte, NC, Associate Engineer
Precision, New York, NY, Analyst
PwC, New York, NY, Associate
Source One, Willow Grove, PA, Project Analyst Intern
Yodle, New York, NY, Software Engineer

Mechanical Engineering and Applied Mechanics

AECOM, Los Angeles, CA, Project Engineer
Amazon, Boston, MA, Deployment Engineer
AquaFresco, Sharon, MA, Product Development Engineer
Avascent, Washington, D.C., Analyst
Bank of America, Charlotte, NC, Quantitative Management Associate
Bank of Montreal, Chicago, IL, Investment Banking Analyst
Bard, Rao + Athanas Consulting Engineers, New York, NY, HVAC Design Engineer
BEAM (Bridge to Enter Advanced Mathematics), New York, NY, Program Coordinator
Boeing, Chicago, IL, Project Engineer
Capital One, McLean, VA, Business Analyst
Consolidated Edison, Inc., New York, NY, Management Associate
Deloitte, Boston, MA, Business Technology Analyst
Draper, Cambridge, MA, Mechanical Engineer
ElectroImpact, Mukilteo, WA, Mechanical Engineer
Fever Smart, Philadelphia, PA, CTO and Co-Founder
Goldman Sachs, New York, NY, Technology Analyst
Hatch, Mississauga, Canada, Mechanical Engineer – Project Delivery Group
Hexcel, Burlington, WA, Manufacturing Engineer
Inductotherm, Rancocas, NJ, Associate Engineer
Jaros, Baum, and Bolles, New York, NY, Engineer
Liberty Reach, Research Engineer
Morley Builders, Santa Monica, CA, Intern
Naval Sea Systems Command (NAVSEA), Philadelphia, PA, Mechanical Engineer
Naval Surface Warfare Center, Philadelphia, PA, Mechanical Engineer
Naval Surface Warfare Center, West Bethesda, MD, Mechanical Engineer
Presbyterian Hospital Department of Surgery, Philadelphia, PA, Product Design Engineer
Robert Derector Associates, New York, NY, Mechanical Engineer
Schlumberger, Midland, TX, Field Engineer

Self-Employed, Chicago, IL, Freelance CAD Designer/3D Printer
Southern Air, Lynchburg, VA, Junior Engineer
SpaceX, Hawthorne, CA, Dragon Mechanisms Intern
Structural Group, Elkridge, MD, Project Engineer

Networked and Social Systems Engineering

Google, Mountain View, CA, Software Engineer
JP Morgan, New York, NY, Business Technology Analyst
LiveRamp, San Francisco, CA, Software Developer
Microsoft, Redmond, WA, Program Manager
Palantir, New York, NY, Infrastructure Quality Engineer

Systems Science and Engineering

Bain & Co., Chicago, IL, Associate Consultant
Bain & Co., New York, NY, Associate Consultant
Bayview, Coral Gables, FL, Financial Analyst
Corporate Executive Board, Arlington, VA, Research Analyst
Deloitte, New York, NY, Strategy and Operations Analyst
Ernst & Young, New York, NY, Technology Consultant
Ernst & Young, New York, NY, Technology Consultant
Fahrenheit 212, New York, NY, Innovation Analyst
Google, Mountain View, CA, Engineering Resident
Jet.com, Hoboken, NJ, Product Catalog
Mars and Co., Greenwich, CT, Associate Consultant
Palantir, New York, NY, Deployment Strategist
PwC, New York, NY, Advisory Associate
SL Green Realty Corp., New York, NY, Acquisitions Analyst
TD Bank, Mount Lauren, NJ, Financial Analyst
The Advisory Board Company, Washington, D.C., Junior Analyst
Volant, New York, NY, Trader

ENGINEERING DUAL DEGREES (BAS/BSE & MSE)

Bioengineering

Honeywell, Fort Washington, PA, Software Engineer I
Putnam, Boston, MA, Associate Consultant
PwC, New York, NY, Associate
Siemens, Mountain View, CA, Siemens Graduate Program Fellow

Computer Science

Airbnb, San Francisco, CA, Software Engineer
Bloomberg, New York, NY, Financial Software Developer
Facebook, Menlo Park, CA, Software Engineer
Google, Mountain View, CA, Software Engineer
Google, Mountain View, CA, Software Engineer
Google, New York, NY, Software Engineer
Microsoft, Redmond, CA, Software Engineer
MongoDB, New York, NY, Software Engineer
Two Sigma, New York, NY, Software Engineer

Digital Media Design

Alphabet Inc., Mountain View, CA, Software Engineer

Electrical Engineering

The Data Incubator, Washington, D.C., Data Science Fellow
XEED, LLC., Philadelphia, PA, Co-Founder & CTO

Materials Science and Engineering

Safran, Rochester, NH, Process Engineer
Holtec, Camden, NJ

Mechanical Engineering and Applied Mechanics

Apple, Cupertino, CA, Software Engineer
Deloitte, San Francisco, CA, Business Technology Analyst
Exyn, Philadelphia, PA, Robotics/Mechatronics Engineer
Gamesa, Treviso, PA, Mechanical Engineer
Honeybee, Brooklyn, NY, Project Engineer
HP Inc., Palo Alto, CA, Research Engineer
Morgan Stanley, New York, NY, Analyst
NBCUniversal, New York, NY, Data Engineer
Transcriptic, Menlo Park, CA, Member of Technical Staff
US Navy, Charleston, SC, Nuclear Engineering
Xometry, Washington, D.C., Project Manager

Networked and Social Systems Engineering

Igneous, Seattle, WA, Developer

Systems Science and Engineering

Deloitte, New York, NY, Business Technology Analyst
Deloitte, Philadelphia, PA, Business Technology Analyst
Oliver Wyman, San Francisco, CA, Consultant

ENGINEERING & CAS

Applied Science-Biomedical Science

Fulbright, Chennai, India

Applied Science- Computer Science

Amazon, Seattle, WA, Software Development Engineer
Appboy, New York, NY, Mobile Support Engineer
Apple, Cupertino, CA, Software Prototype Engineer
U.S. Congress, Washington, D.C., Intern
Venture for America, Philadelphia, PA, Fellow

Chemical and Biomolecular Engineering

Credit Suisse, Wilmington, DE, Director
IBM, Philadelphia, PA, Business Transformation Consultant
Nosco, Waukegan, IL, Process Engineer

ENGINEERING & WH

Applied Science-Biomedical Science

Stealth, New York, NY, Data Science Lead

Applied Science- Computer Science

AQR Capital, Greenwich, CT, Research Analyst
Citadel, Chicago, IL, Quantitative Research
CLI Ventures, Palo Alto, CA, Analyst
Etsy, New York, NY, Data Analyst
General Motors, New York, NY, Corporate Finance Rotational Program
Moelis & Company, Los Angeles, CA, Analyst
Navigant, Washington, D.C., Consultant
Orbital Insight, Palo Alto, CA, Business Analyst

Palantir, New York, NY, Forward Deployed Engineer
Palantir, New York, NY, Software Engineer
Self-Employed, Los Altos, CA, Founder
Sidewire Inc., San Francisco, CA, Software Engineer
TPG Capital, San Francisco, CA, Private Equity Analyst

Bioengineering

Accenture, Philadelphia, PA, Management Consulting Analyst
GTRACK, Philadelphia, PA, CTO and Co-Founder
McKinsey & Co, New York, NY, Business Analyst
Workday, Peasanton, CA, Financial Analyst

Computer Engineering

American Express, New York, NY, Digital Product Manager
Microsoft, Seattle, WA, Program Manager

Computer Science

Alt School, San Francisco, CA, Product Manager
Ares, New York, NY, Private Equity Analyst
Bain & Co, New York, NY, Associate Consultant
Citadel, Chicago, IL, Financial Technology Associate
Citadel, Chicago, IL, Quantitative Research Analyst
Facebook, Menlo Park, CA, Software Engineer
Foros, New York, NY, Analyst
Google, Mountain View, CA, Software Engineer
McKinsey & Co, Cleveland, OH, Business Analyst
Silver Point Capital, Greenwich, CT, Analyst
Square, San Francisco, CA, Software Engineer
Segment, San Francisco, CA, Product Analyst

Electrical Engineering

Boston Consulting Group, New York, NY, Associate
McKinsey & Company, Palo Alto, CA, Business Analyst
TD Securities, New York, NY, Investment Banking Analyst

Materials Science and Engineering

Boston Consulting Group, San Francisco, CA, Associate
Deloitte, Los Angeles, CA, Investment Banking Analyst
Epic, Verona, WI, Technical Problem Solver
Evercore, New York, NY, Analyst
Oliver Wyman, New York, NY, Consultant

Mechanical Engineering and Applied Mechanics

Dairy Free Games, San Francisco, CA, Co-Founder
ExxonMobil, Bristol, RI, Utilities Engineer
Hasbro, Pawtucket, RI, Assistant Brand Manager
Microsoft, Seattle, WA, Program Manager
Zimmer, New York, NY, Research Associate

Systems Science and Engineering

Applied Predictive Technologies, Arlington, VA, Marketing Analyst
Boston Consulting Group, New York, NY, Associate
Boston Consulting Group, Seattle, WA, Associate
McKinsey & Company, New York, NY, Business Analyst
Moelis & Company, Los Angeles, CA, Analyst
Morgan Stanley, Menlo Park, CA, Investment Banking
Oliver Wyman, New York, NY, Consultant

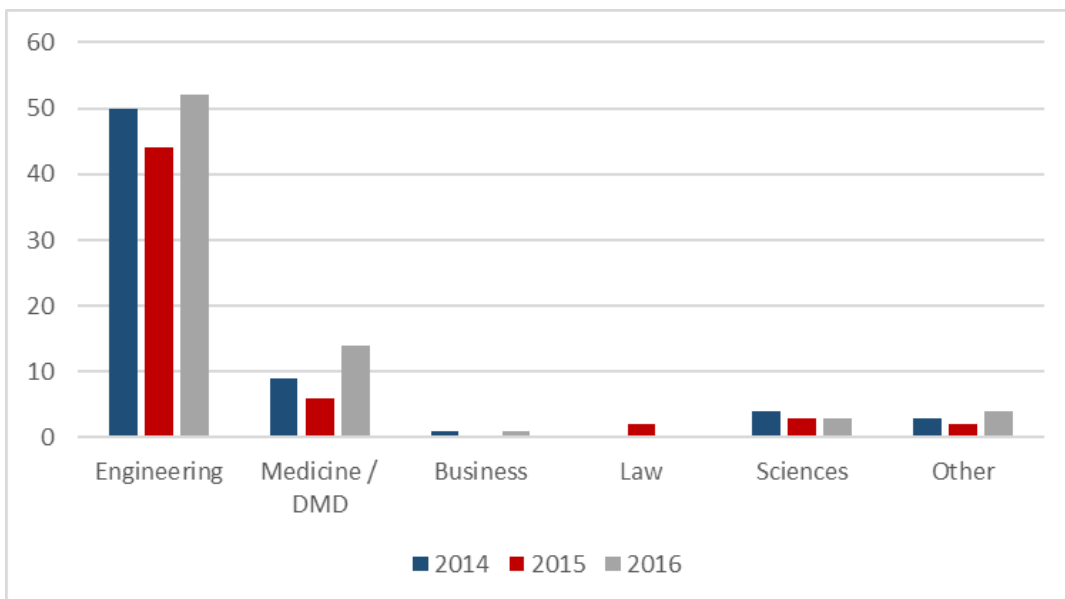
SECTION 3 - ANALYSIS OF GRADUATE STUDY RESPONDENTS*

Degrees Pursued

Undergraduate Major	Masters	PhD	MD/DMD	MD/PhD	Postbac
AS – Biomedical Science	2		1		1
AS – Computer Science	1				
Bioengineering	7	1	6	2	
Chemical & Biomolecular Engineering	1	5	2		
Computer Science	9	2			
Digital Media Design	1				
Electrical Engineering	4	1			
Materials Science & Eng.	7				1
Mechanical Eng. & Applied Mechanics	13	1	1		
Networked & Social Systems Engineering	1	1			
Systems Science & Engineering	3				
Total	49	11	10	2	2

*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 SINGLE DEGREES

Applied Science – Biomedical Science

Columbia University, New York, NY, MS, Nutrition
University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, MD
University of Pennsylvania, Philadelphia, PA, Post-bac, Science

Bioengineering

Baylor College of Medicine, Houston, TX, MD
Dartmouth College, Hanover, NH, MD
Jefferson University, Philadelphia, PA, MD
National University of Ireland, Galway, Ireland, MS, Regenerative Medicine
University of British Columbia, Vancouver, Canada, MA, English Literature, concentration in Science and Technology Studies
University of Pennsylvania, Philadelphia, PA, DMD
University of Pennsylvania, Philadelphia, PA, MSE
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, MSE, Bioengineering
University of Virginia, Richmond, VA, MD
Washington University, St. Louis, MO, MD/PhD

Chemical and Biomolecular Engineering

Catholic University of Korea, Seoul, Republic of Korea, MD
Georgia Institute of Technology, Atlanta, GA, PhD, Chemical and Biomolecular Engineering
Stanford University, Stanford, CA, PhD, Higher Education
University of Pennsylvania, Philadelphia, PA, MSE, Systems Engineering
Wayne State University, Detroit, MI, MD

Computer Science

Carnegie Mellon University, Pittsburgh, PA, MA, Computer Science
Carnegie Mellon University, Silicon Valley, Northridge, CA, PHD, Electrical Engineering
Rutgers University, New Brunswick, NJ, PhD, Computer Science
University of Pennsylvania, Philadelphia, PA, MSE, Computer and Information Science

University of Pennsylvania, Philadelphia, PA, MSE, Computer and Information Science
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Scientific Computing

Digital Media Design

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

Electrical Engineering

Stanford University, Palo Alto, CA, MS, Electrical Engineering
University of California – Berkeley, Berkeley, CA, PhD, Electrical Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Electrical Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Electrical Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Robotics

Materials Science and Engineering

Northwestern University, Evanston, Illinois, MS, Data Science
University of California – Irvine, Irvine, CA, MA, Materials Science
University of Pennsylvania, Philadelphia, PA, MSE, Materials Science
University of Pennsylvania, Philadelphia, PA, MSE, Materials Science
University of Pennsylvania, Philadelphia, PA, MSE, Nanotechnology
University of Pennsylvania, Philadelphia, PA, MSE, Nanotechnology

Mechanical Engineering and Applied Mechanics

Columbia University, New York, NY, DMD
Stanford University, Stanford, CA, PhD, Mechanical Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Integrated Product Design
University of Pennsylvania, Philadelphia, PA, MSE, Integrated Product Design
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
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, Systems Engineering

Networked and Social Systems Engineering

University of Pennsylvania, Philadelphia, PA, MSE, Computer and Information Science
University of Washington, Seattle, WA, PhD, Computer Science

Systems Engineering

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

ENGINEERING DUAL DEGREE (BAS/BSE & MSE)

Bioengineering

Icahn School of Medicine at Mount Sinai, New York, NY, MD/PhD, Translational Molecular Imaging
University of Miami Leonard M. Miller School of Medicine, Miami, FL, Cancer Biology
University of Pennsylvania, Philadelphia, PA, DMD

Mechanical Engineering and Applied Mechanics

University of Pennsylvania, Philadelphia, PA, MSE, Integrated Product Design

ENGINEERING & CAS

Chemical and Biomolecular Engineering

Harvard University, Cambridge, MA, PhD, Theoretical & Computational Chemistry
Stanford University, Palo Alto, CA, PhD, Chemical Engineering

Materials Science and Engineering

Imperial College, London, UK, Post-bac, Sustainable Energy Futures
University of Oxford, Oxford, UK, MSc, Materials Science

ENGINEERING & WH

Applied Science – Biomedical Science

Cambridge University, Cambridge, UK, MA, Technology Policy

Applied Science – Computer Science

Harvard University, Cambridge, MA, MA, Computer Science

Chemical and Biomolecular Engineering

Columbia University, New York, NY, PhD, Chemical Engineering

Computer Science

Massachusetts Institute of Technology, Cambridge, MA, PhD, Computer Science (Machine Learning)

Mechanical Engineering and Applied Mechanics

University of Pennsylvania, Philadelphia, PA, MSE, Robotics

Systems Science and Engineering

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