

CAREER SERVICES

University of Pennsylvania

School of Engineering & Applied Science

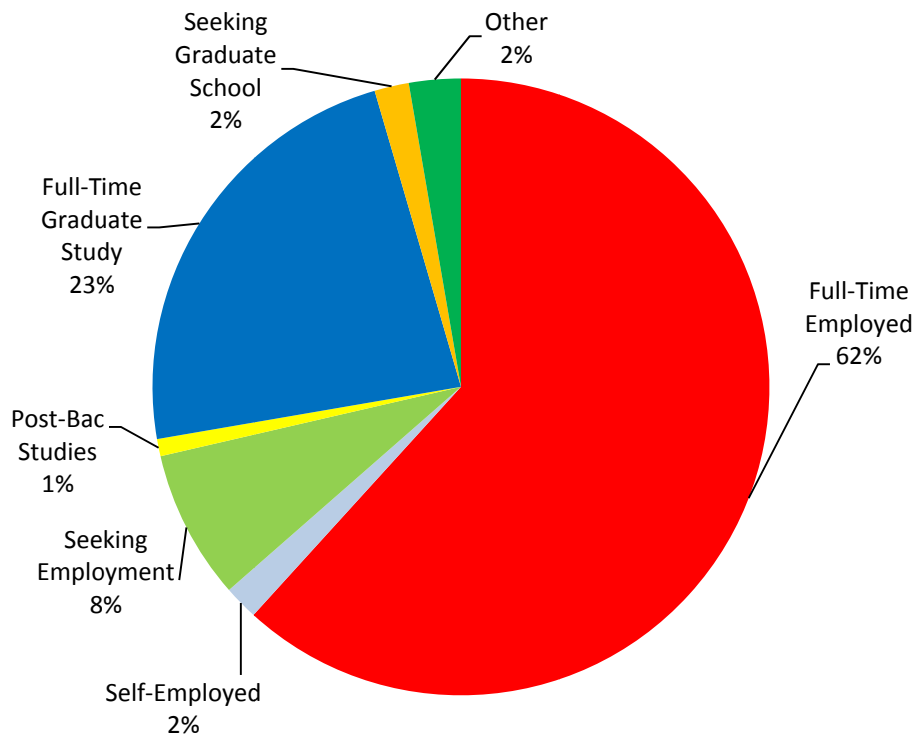
Undergraduate Career Plans Survey Report 2009-2010

Overview

Each year Career Services surveys the SEAS graduating class to gather information about their post-graduation plans. This report summarizes the responses from December 2009, May and August 2010 SEAS BSE and BAS degree recipients. The school awarded 346 undergraduate degrees. Career Services received 332 responses, which represents a 95% response rate. Of those students reporting the date they received their offer, over 88% were offered employment prior to graduation. The top industries in which graduates accepted positions continue to be manufacturing (5% increase), technology, consulting and financial services (6% decrease). The overall average salary of the employed respondents was \$61,401, which was a slight decrease of .9% from last year. Students had an average of 1.9 job offers for employment and nearly 68% accepted positions in the Mid-Atlantic or Northeast regions. These numbers are similar to those for the Class of 2009. We saw a 6% increase over last year in students working full-time and a decrease of 5% in those going directly to graduate school, seeking graduate school, or taking post-baccalaureate courses in preparation for graduate school. Of those going to graduate school, 64.9% are pursuing a degree in engineering (a 5.1% increase) and 16.9% are pursuing degrees in medicine.

Prepared by Rosette Pyne, Senior Associate Director
Robert Gannone, Administrative Assistant
December 2010

Post-Graduation Plans



METHODOLOGY

Engineering students graduating with either a BAS or BSE degree in December 2009, May and August 2010 responded to several email requests to complete the Career Plans Survey on line between April and November 2010. The SEAS Academic Programs office sent an email to the graduating students asking them to complete the survey as part of the graduation process. A link was added to the Engineering section of the Career Services website for any student in the Class of 2010 who was browsing the site. In November a friendly request to complete the survey was sent 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 and the Penn Alumni on line directory was accessed to search for any updated information from those who had not responded to all requests.

SECTION 1 - RESPONDENTS

Percent Response by Year

<u>Year</u>	<u>Degrees Awarded</u>	<u>Surveys Returned</u>	<u>Percent Response %</u>
2010	346	332	95.95%
2009	367	333	90.74%
2008	318	302	94.97%
2007	290	281	96.89%
2006	318	275	86.47%

SECTION 2 – PURSUITS

Pursuits Upon Graduation

<u>Plan</u>	<u>Responses</u>	<u>2009-2010 %</u>	<u>2008-2009 %</u>	<u>2007-2008 %</u>
Full-time Employment	205	62	55.6	72.6
Self-Employed	6	2	2.4	1.7
Attending Full-Time Graduate School	77	23	26	17.2
Seeking Full-time Employment	26	8	8	3.6
Seeking Graduate School Admission	6	2	3	2.3
Other	9	2	3	2.6
Post-Baccalaureate Studies	3	1	2	N/A
TOTAL	332	100.0	100.0	100.0

SECTION 3 - ANALYSIS OF EMPLOYED RESPONDENTS

Number Accepted	Organization
10	University of Pennsylvania
8	Citi
7	Goldman Sachs
6	Accenture
5	Deloitte Consulting
4	Microsoft, NAVSEA Carderock Division, The Blackstone Group
3	Barclays Capital, Credit Suisse, Google, Lockheed Martin, Merck, Schlumberger

Geographic Distribution of Jobs

<u>Area</u>	<u>Number</u>	<u>Percent %</u>
United States		
Northeast	12	6
Mid-Atlantic	126	62
Southeast	6	3
Midwest	16	8
Southwest	4	2
West	18	9
Northwest	3	1
*Abroad	19	9
Total:	204	100.0%

*Argentina, Brazil, Canada, Denmark, Hong Kong, India, Japan, Mexico, Netherlands, Panama, Romania, Singapore

Date Received Offer

157 graduates reported the date they received the offer for the position they accepted. 55% of Engineering graduates received their job offer before December 2009 and 88% received their offer prior to graduation.

<u>Date Received Offer</u>	<u>Percent %</u>
Before September 2009	12
September – December 2009	43
January – May 2010	33
June – August 2010	8
September – November 2010	4
Total:	100%

On-Campus Recruiting Interview Activity

Total Number of Employers: 341
Total Number of Scheduled Interviews: 12,821

Range and Average Number of Interviews Per Student

	<u>Range</u>	<u>Average</u>
On-Campus Recruiting Interviews	1 - 40	6.6
Interviews Resulting from Career Services Leads	1 - 20	2.9
Interviews on Their Own	1 - 8	2.1

Range and Average Number of Job Offers Received Per Student

	<u>Range</u>	<u>Average</u>
On-Campus Recruiting Offers	1 - 9	2.1
Career Services Offers (Career Day, PennLink)	1 - 3	1.2
Offers from sources other than OCRS and Career Services	1 - 4	1.3
All Offers Combined	1 - 11	1.9

How Full-time Employed Respondents Received Their Job Offer

	<u>Percent %</u>
On-Campus Recruiting (OCR)	36
Previous OCR Employer (Summer internship obtained through OCR, resulting in full-time offer)	13
Family/Friends/Contacts	7
Internet	3
Department	2
Previous Non-OCR Employer (Summer internship not obtained through OCR, resulting in full-time offer)	12
Applied Directly to Organization	11
Other Career Services Leads	13
Other	3

Average Starting Salary by Year

70.1% of the students who accepted full time employment reported their salaries.

<u>Year</u>	<u>Average Salary</u>	<u>% Change from Previous</u>
2010	\$61,401	-.78
2009	\$61,884	-1.3
2008	\$62,680	4.2
2007	\$60,151	3.6
2006	\$58,044	5.5

The salary range for 2010 was \$26,700 - \$100,000

Average Bonus Figures

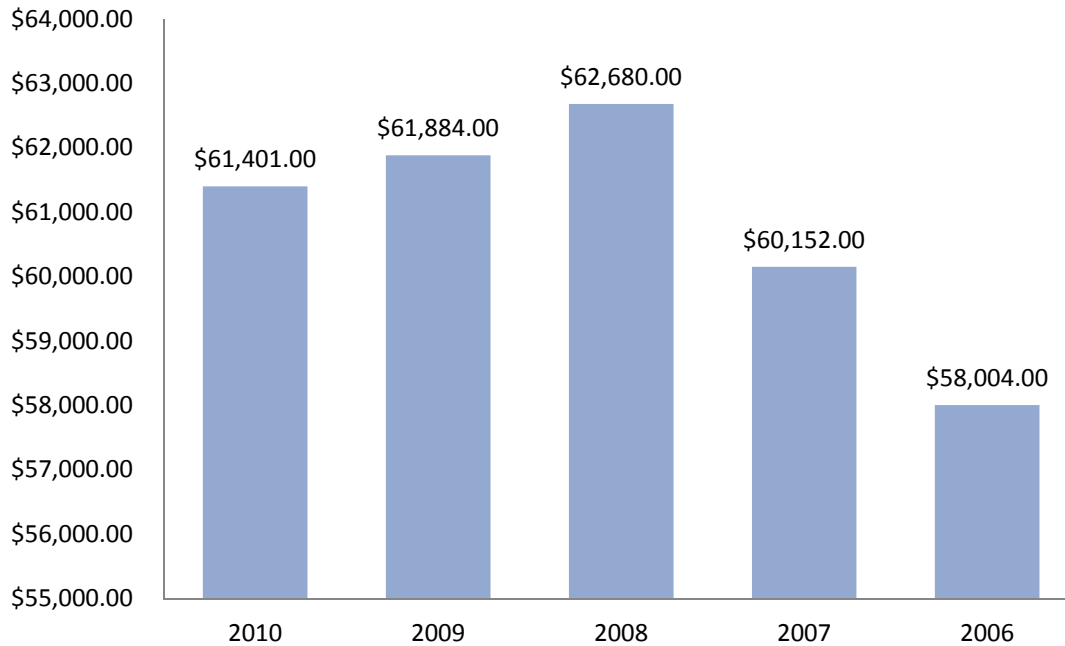
Sign-on Bonus

\$8,886 (based on 80 responses)

Annual Bonus (Estimated)

\$21,948 (based on 76 responses)

AVERAGE STARTING SALARY BY YEAR



Average Salary by Major

Major	Surveys w/ Salaries	Average	Range
Applied Science			
Biomedical Science	4	\$54,125	\$39,500 - \$65,000
Cognitive Science	1	*	*
Computer Science	14	\$71,528	\$62,400 - \$100,000
Bioengineering	24	\$49,045	\$26,700 - \$75,000
Chemical & Biomolecular Eng.	13	\$63,307	\$50,000 - \$72,000
Computer Science	7	\$73,571	\$60,000 - \$100,000
Computer Science & Engineering	15	\$67,200	\$43,000 - \$95,000
Digital Media Design	5	\$58,000	\$35,000 - \$85,000
Electrical Engineering	9	\$55,000	\$47,000 - \$65,000
Materials Science & Eng.	15	\$61,372	\$35,000 - \$100,000
Mech. Eng. & Appl. Mech.	23	\$58,123	\$30,000 - \$80,000
Systems Science & Eng.	18	\$66,888	\$50,000 - \$75,000
SEAS – Single Degree	82	\$56,830	\$26,700 – \$100,000
SEAS/CAS – Dual Degree	11	\$65,755	\$58,000 – \$85,000
SEAS/WH – Dual Degree	41	\$67,749	\$30,000 – \$100,000
SEAS/SEAS Dual Degree	14	\$64,472	\$45,000 – \$85,000

* Salary/salaries not reported to maintain confidentiality

** Counted in both major and dual majors categories

Average Salary by Gender

Male Average Salary (SEAS Only)	\$58,085 (Based on 46 Responses)
Female Average Salary (SEAS Only)	\$55,227 (Based on 36 Responses)
Male SEAS/CAS Average Salary	\$65,286 (Based on 7 Responses)
Female SEAS/CAS Average Salary	\$66,575 (Based on 4 Responses)
Male SEAS/WH Average Salary	\$57,797 (Based on 36 Responses)
Female SEAS/WH Average Salary	\$67,400 (Based on 5 Responses)
Male with 2 SEAS Degrees Average Salary	\$66,077 (Based on 8 Responses)
Female with 2 SEAS Degrees Average Salary	\$62,333 (Based on 6 Responses)

Average Salary by Job Type

Job Type	Number of Respondents	Average Salary	Range
Consulting			
Management/Strategy	15	\$60,667	\$45,000 – \$72,000
Research	2	\$52,000	\$42,000 – \$62,000
Technical/Information Systems	13	\$66,308	\$61,500 – \$75,000
Engineering			
Design	10	\$59,969	\$50,000 – \$85,000
Manufacturing/Production	6	\$61,750	\$52,500 – \$67,000
Project Management	5	\$73,800	\$60,000 – \$95,000
Quality Assurance	1	*	*
Research & Development	8	\$45,063	\$40,000 – \$63,000
Systems	4	\$50,476	\$41,383 – \$62,000
Testing	1	*	*
Finance – Investment Analysis			
Capital/Money Markets Analyst	3	\$70,000	*
Financial Analyst	19	\$68,105	\$55,000 – \$75,000
Mergers & Acquisitions Analyst	7	\$68,571	\$55,000 – \$75,000
Private Equity/Venture Capital Analyst	4	\$65,000	\$50,000 – \$70,000
Securities Research Analyst	1	*	*
Finance – Management & Marketing			
Investment Management/Counsel	2	\$90,000	*
Finance - Sales and Trading			
Sales	1	*	*
Trading	4	\$85,000	\$70,000 – \$100,000
Government			
Military Officer	1	*	*
Public Management	1	*	*
Information Technology			
Applications Programmer	1	*	*
Program Management	4	\$80,000	*
Software Designer/Developer	5	\$67,000	\$55,000 – \$85,000
Technology Analyst	5	\$64,000	\$60,000 – \$70,000
Technical Artist/Game Developer	3	\$56,667	\$50,000 – \$60,000
Web Designer/Developer	2	\$48,700	*
Insurance			
Actuarial	1	*	*

Average Salary by Job Type (continued)

Job Type	Number of Respondents	Average Salary	Range
Law			
Paralegal	1	*	*
Management			
Entrepreneur	2	\$30,000	*
General Management	2	\$57,400	*
Marketing			
New Business Development	1	*	*
Product/Brand Management	3	\$49,667	\$35,000 – \$60,000
Not For Profit			
Research	1	*	*
Real Estate			
Property Management	1	*	*
Scientific Research			
Biology/Biochemistry	2	\$41,500	*
Biomedical (Other)	6	\$45,000	*

* Salary/salaries not reported to maintain confidentiality

Average Salary by Industry

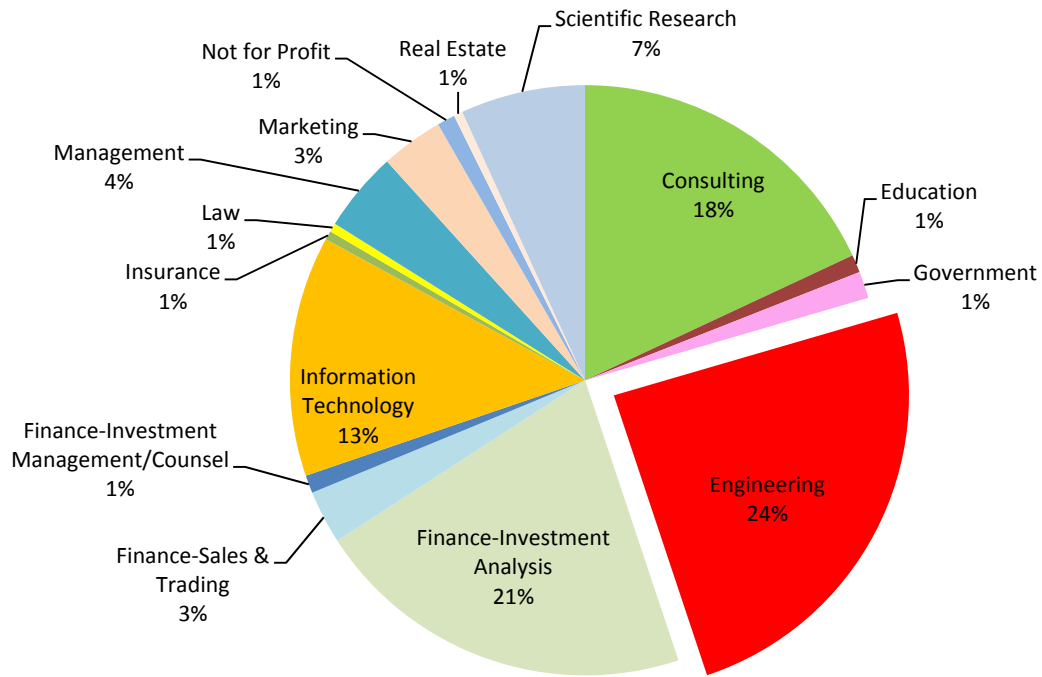
Industry	Number of Respondents	Average Salary	Range
Communications			
Film	1	*	*
Education			
Research Lab/Center (Higher Ed)	6	\$39,000	\$28,000 – \$52,000
Energy/Natural Resources			
Petroleum	4	\$64,000	\$50,000 – \$80,000
Financial Services			
Financial Services (Other)	5	\$79,200	\$61,000 – \$100,000
Investment Banking	35	\$68,257	\$55,000 – \$75,000
Investment Mgmt. /Counsel	6	\$75,000	\$60,000 – \$100,000
Venture Capital/Private Equity	3	\$60,000	\$50,000 – \$70,000
Government			
Federal Government	7	\$48,889	\$41,383 – \$61,614
U.S. Military Service	1	*	*
U.S. National Laboratories	2	\$28,350	*
Health Care			
Hospital	2	\$40,000	*
Manufacturing			
Aerospace	3	\$63,360	\$63,000 – \$66,080
Automotive	2	\$52,500	*
Biomedical Products	2	\$51,000	*
Chemicals/Gases	2	\$63,500	*

Average Salary by Industry (continued)

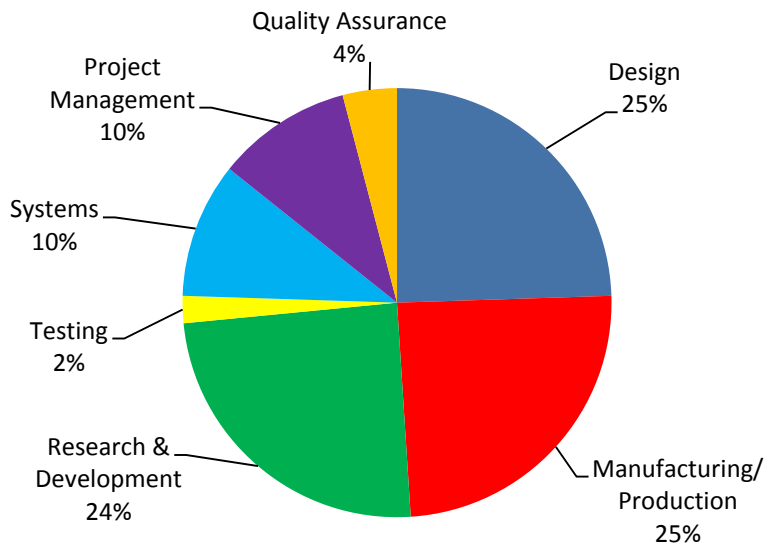
Industry	Number of Respondents	Average Salary	Range
Manufacturing (continued)			
Consumer Products	4	\$54,000	\$35,000 – \$67,000
Manufacturing (Other)	4	\$48,375	\$30,000 – \$56,000
Pharmaceuticals	6	\$63,500	\$52,000 – \$72,000
Non Profit			
Public Interest/Advocacy	1	*	*
Social Services	1	*	*
Services			
Design	1	*	*
Legal	1	*	*
Consulting	31	\$62,258	\$42,000 – \$75,000
Technology			
E-Commerce	2	\$53,700	*
Interactive Entertainment	3	\$51,667	\$35,000 – \$60,000
Internet Services (Other)	3	\$80,000	\$60,000 – \$95,000
Software Products	10	\$70,500	\$55,000 – \$85,000

* Salary/salaries not reported to maintain confidentiality

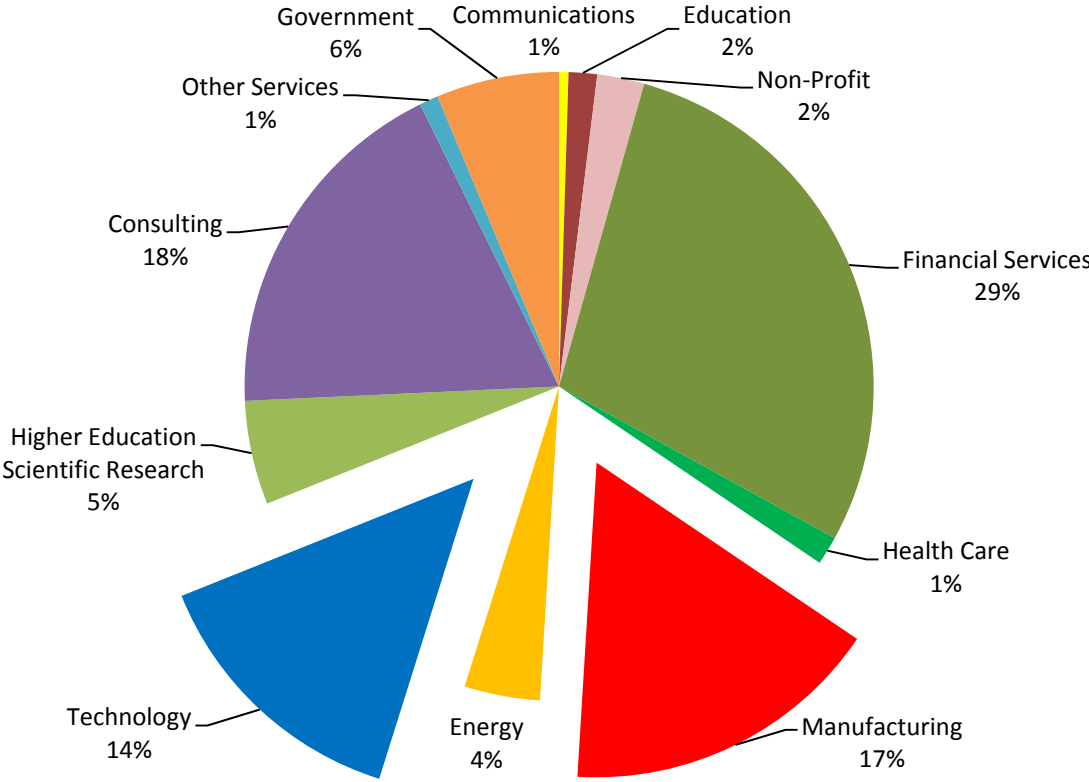
All Employed Respondents by Job Type (with Engineering Breakdown)



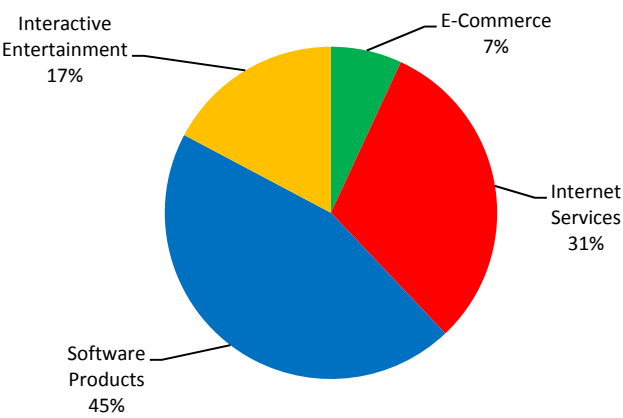
Engineering



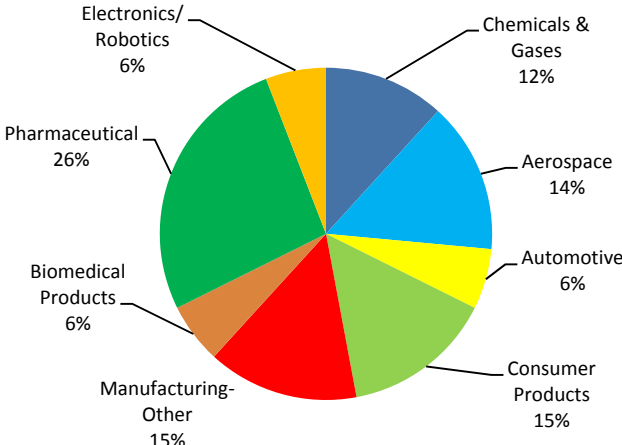
All Employed Respondents by Industry (with Manufacturing and Technology Breakdown)



Technology



Manufacturing



Employers Reported by Major

Engineering Only

Applied Science – Biomedical Science

Gifford Fong Associate, Lafayette, CA, Financial Analyst

JRK Property Holdings, Los Angeles, CA, Analyst

MDRC, New York, NY, Technical Research Assistant

University of Pennsylvania, Bioengineering Laboratory, Philadelphia, PA, Research Assistant

Applied Science – Computer Science

Goldman Sachs, Tokyo, Japan, Analyst

GSI Commerce, Inc., King of Prussia, PA, Software Engineer

Bioengineering

Accenture, Philadelphia, PA, Technology Analyst

Accenture, Reston, VA, Full-Time Analyst

American Association for Cancer Research, Philadelphia, PA, Membership Services Representative

Clark & Elbing, Boston, MA, Proofreader

Credit Suisse, New York, NY, Analyst

Deloitte Consulting, Arlington, VA, Analyst

Easton Associates, New York, NY, Research Associate

Epic, Madison, WI, Technical Services

Heart to Heart, New York, NY, Founder and National Director

Hospital for Special Surgery, New York, NY, Research Assistant

Hospital for Special Surgery, New York, NY, Research Assistant/Clinical Coordinator

Hospital of the University of Pennsylvania, Philadelphia, PA, Researcher

Medtronic Inc., Moundsview, MN, Biomedical Engineer

Military Service

National Institutes of Health, Bethesda, MD, IRTA

National Institutes of Health, Bethesda, MD, Post-Baccalaureate

PricewaterhouseCoopers, New York, NY, Associate

Putnam Associates, Burlington, MA, Analyst

Regeneron Pharmaceuticals, New York, NY, Process Associate

Strategic Research Insights, Plainsboro, NJ, Associate

Teach for America, Chicago, IL, Elementary Math Teacher

Unbound Medicine, Philadelphia, PA, Sales Representative

University of Alabama, Birmingham, AL, Research Technician

University of Pennsylvania Dental School, Philadelphia, PA, Research Assistant

University of Pennsylvania School of Medicine, Philadelphia, PA, Research Specialist

University of Pennsylvania, Philadelphia, PA, Lab Technician

University of Pennsylvania, Philadelphia, PA, Programming Assistant

University of Pennsylvania, Philadelphia, PA, Research Specialist

Yale University, New Haven, CT, Research Assistant

Chemical and Biomolecular Engineering

AB-Inbev, Rio de Janeiro, Brazil, Engineer

Alexion Pharmaceuticals, Smithfield, RI, Plant Worker

American Institute of Chemical Engineers, New York, NY, New Technology Associate

Bristol-Myers Squibb, New Brunswick, NJ, Associate Research Scientist

Chevron, Bakersfield, CA, Title Not Provided

Citigroup, New York, NY, Analyst

Details Not Provided

Exelon Nuclear, City Not Provided, PA, Title Not Provided

Ferro Corporation, City Not Provided, NY, Chemical Operator

G & W Laboratories, South Plainfield, NJ, QA Compliance Specialist

Investment Technology Group, New York, NY, Business Analyst

ITW Permatex, Solon, OH, Chemical Engineer

Chemical and Biomolecular Engineering (continued)

Johnson & Johnson, Skillman, NJ, Scientist I
Library Build, Philadelphia, PA, CFO
LUKOIL PanAmericas, Red Bank, NJ, Distillate Trader
Monitor Group, Singapore, Title Not Provided
Norquay Technology Inc, Chester, PA, Process & Project Engineer
Novo Nordisk, Copenhagen, Denmark, Graduate
Rhodia, Bristol, PA, Process Engineer
Teleflex Medical, Reading, PA, Associate Engineer

Computer Science

AQR Capital Management, Greenwich, CT, Analyst
Barclays Capital, New York, NY, Analyst
Citadel, Chicago, IL, Financial Technology Associate
Citigroup, New York, NY, Quantitative Analyst
Goldman Sachs, New York City, NY, Development Analyst
Houlihan Lokey, Los Angeles, CA, Analyst

Computer Science and Engineering

Bloomberg L.P., New York, NY, Financial Software Developer
Capital IQ, New York, NY, Software Engineer
Comcast Interactive Media, Philadelphia, PA, Software Engineer
Deloitte Consulting, Philadelphia, PA, Business Technology Analyst
Goldman Sachs, New York, NY, Analyst
Google, New York, NY, Title Not Provided
Google, New York, NY, Associate Program Manager
Google, Palo Alto, CA, Associate Product Manager
Gorilla, Chicago, IL, PHP Developer
InnerWorkings, Chicago, IL, Title Not Provided
Liquid Metal Games, LLC, Collegeville, PA, United States
Lockheed Martin, Denver, CO, Software Developer
Microsoft, Cambridge, MA, Program Manager
Orbis Technologies, Annapolis, MD, Junior Natural Language Processing Developer
Organization Not Provided, Bucharest, Romania, Programmer
Syncsort Inc., Woodcliff Lake, NJ, Associate Engineer
UBS, New York, NY, Developer
University of Pennsylvania, Philadelphia, PA, Data Analyst
University of Pennsylvania, Philadelphia, PA, Programmer Analyst

Digital Media Design

Details Not Provided
DreamWorks Animation, Glendale, CA, Technical Director
Night Kitchen Interactive, Philadelphia, PA, Junior Interactive Developer
Pixar Animation Studios, Emeryville, CA, Technical Director
Smesh LLC, New York, NY, Interactive Media Designer
Zynga, Baltimore, MD, Software Engineer
Zynga, San Francisco, CA, Assistant Producer

Electrical Engineering

Boston Consulting Group, Tokyo, Japan, Consultant
Center for Strategic and Innovative Technologies (CSIT), Singapore, Title Not Provided
Centre for Policy Research, New Delhi, India, Research Associate
Details Not Provided
Fitzgerald Analytics, Inc., New York, NY, Analyst
Goldman Sachs, Jersey City, NJ, Operations Analyst
IBM, Gaithersburg, MD, IT Consultant
Naval Research Center, Philadelphia, PA, Electrical Engineer
The Boeing Company, Ridley Park, PA, Design and Analysis Engineer
U.S. Bureau of Labor Statistics, Washington, DC, Associate Network Engineering Analyst
University of Pennsylvania, Philadelphia, PA, Data Analyst
ZS Associates, Philadelphia, PA, Associate

Materials Science and Engineering

Accenture, Philadelphia, PA, Title Not Provided
Barclays Capital, New York, NY, Technology Analyst
GreenWorld Capital LLC, Location Not Provided, Private Equity Intern
Jane Street Capital, New York, NY, Assistant Trader
Lockheed Martin, Palmdale, CA, Materials Engineer
Lucifer Lighting, San Antonio, TX, Manufacturing Facilitator
Lux Research, Boston, MA, Research Associate
NAVSEA Carderock Division, Philadelphia, PA, Materials Engineer
Organization Not Provided, CA, Consultant
Procter and Gamble, Panama City, Panama, Assistant Brand Manager
Schlumberger, Ijmuiden, Netherlands, Field Engineer
The Nielsen Company, Paramus, NJ, Analyst
Toyota Boshoku America, Novi, MI, Associate Materials Engineer

Mechanical Engineering and Applied Mechanics

Accenture, New York, NY, Analyst
Bala Engineering Consultants, King of Prussia, PA, Engineer
Citigroup, Philadelphia, PA, Analyst
General Atomics Aeronautical Systems, Inc., San Diego, CA, CFD Engineer II
Lucifer Lighting, San Antonio, TX, Assistant Design Engineer
Merck, West Point, PA, Associate Automation Engineer
Montero S.A., Buenos Aires, Argentina, Mechanical Engineering Design Intern
NAVSEA Carderock Division, Philadelphia, PA, Title Not Provided
NAVSEA Carderock Division, Philadelphia, PA, Mechanical Engineer
NAVSEA Carderock Division, Washington, DC, Mechanical Engineer
Nestle Purina Petcare Company, Allentown, PA, Engineering Management Trainee
PHG Energy Company, Nashville, TN, Project Engineer
Schlumberger, Alberta, Canada, Field Engineer
Schlumberger, Poza Rica, Mexico, Field Engineer
Smart Design, New York, NY, Design Engineer Intern
Tegant Corporation, Montgomeryville, PA, Design Engineer

Systems Science and Engineering

Accenture, New York, NY, Analyst
Barclays Capital, New York, NY, Technology Analyst
Citigroup, New York, NY, Analyst
Deloitte Consulting, New York, NY, Business Technology Analyst
Deloitte Consulting, Philadelphia, PA, Business Technology Analyst
Deloitte Consulting, San Francisco, CA, Business Technology Analyst
Details Not Provided
Diamond Management and Technology Consultants, New York, NY, Consultant
J. P. Morgan Chase, New York, NY, Investment Bank Business Analyst
L.E.K. Consulting, New York, NY, Associate
Lockheed Martin, Moorestown, NJ, Title Not Provided
Munich Re America, Princeton, NJ, Actuarial Analyst
Raven Securities Corp., New York, NY, Broker Assistant
Risk Management Solutions, Hackensack, NJ, Risk Analyst
Sintec, Monterrey, Mexico, Analyst
United States Navy, Charleston, SC, Ensign
University of Pennsylvania, Philadelphia, PA, Assistant Director
Venmo, Philadelphia, PA, Title Not Provided

Engineering & CAS

Applied Science – Cognitive Science & CAS

Microsoft, Redmond, WA, Program Manager

Applied Science – Computer Science & CAS

Goldman Sachs, New York, NY, Analyst

Bioengineering & CAS

Censeo Consulting Group, Washington, DC, Business Analyst
Oliver Wyman, New York, NY, Consultant
U.S. Environmental Protection Agency, Philadelphia, PA,

Chemical and Biomolecular Engineering & CAS

Merck, West Point, PA, Associate Supervisor

Computer Science & CAS

IBM, Austin, TX, Consultant

Digital Media Design & CAS

Facebook, Palo Alto, CA, Product Designer

Mechanical Engineering and Applied Mechanics & CAS

Bain & Company, New York, NY, Associate Consultant
BG Group, City Not Provided, PA, Graduate Trainee Engineer
Merck, Westpoint, PA, Automation Engineer
Oliver Wyman, New York, NY, Consultant

Systems Science and Engineering & CAS

A.T. Kearney, New York, NY, Business Analyst
Booz Allen Hamilton, Herndon, VA, Consultant (Level 2)
Citigroup, New York, NY, Analyst

Engineering & Wharton**Applied Science – Computer Science & Wharton**

Bank of America Merrill Lynch, New York, NY, Analyst
Berkshire Partners, Boston, MA, Analyst
Citadel Investment Group, Chicago/New York/IL/London, IL, Associate, Global Equities
Credit Suisse, New York, NY, Analyst
Goldman Sachs, New York, NY, Analyst
Goldman Sachs, New York, NY, Analyst
Houlihan Lokey, Los Angeles, CA, Investment Banking Analyst
Microsoft, Redmond, WA, Program Manager
Moelis & Company, Los Angeles, CA, Analyst
Rosetta Interactive Marketing, New York, NY, Business Associate
The Blackstone Group, New York, NY, Private Equity Analyst
University Success Enterprises Limited, Singapore, Associate Vice President
Walton Street Capital, Chicago, IL, Analyst

Bioengineering & Wharton

McKinsey & Company, Florham Park, NJ, Business Analyst
Perella Weinberg Partners, New York, NY, Analyst

Chemical and Biomolecular Engineering & Wharton

Credit Suisse, New York, NY, Associate
Sanford C. Bernstein, LLC, New York, NY, Junior Research Associate
Signal Hill Capital Group, Baltimore, MD, Analyst
The Blackstone Group, Hong Kong, Analyst

Computer Science and Engineering & Wharton

Evercore Partners, New York, NY, Analyst
J.P. Morgan, Hong Kong, Analyst
Microsoft, Bellevue, WA, Program Manager

Electrical Engineering & Wharton

Battery Ventures, Waltham, MA, Analyst
Citigroup, New York, NY, Quantitative Analyst
Cornerstone Research, New York, NY, Analyst
ZL Technologies, San Jose, CA, Title Not Provided

Materials Science and Engineering & Wharton

Bain Capital - Sankaty Advisors, Boston, MA, Analyst
Bank of America Merrill Lynch, Hong Kong, Analyst
BlackRock, New York, NY, Analyst
Boston Consulting Group, Houston, TX, Associate
Citibank, New York, NY, Analyst
Evercore Partners, New York, NY, Analyst
The Blackstone Group, New York, NY, Analyst

Mechanical Engineering and Applied Mechanics & Wharton

Accenture, Boston, MA, Systems Integration Analyst
Cerberus Capital Management, New York, NY, Analyst
Details Not Provided
Federal Bureau of Investigation, Washington, DC, Title Not Provided
Integrated Product Design, PowerFlower Solar, Cherry Hill, NJ, CEO
Investment Technology Group, New York, NY, Equity Research Associate
Jump Associates, San Mateo, CA, Extern
NextJump Inc., New York, NY, Title Not Provided
Omega Engineering, Stamford, CT, Management Trainee
Schreiber Foods, Inc., Shippensburg, PA, Team Advisor

Systems Science Engineering & Wharton

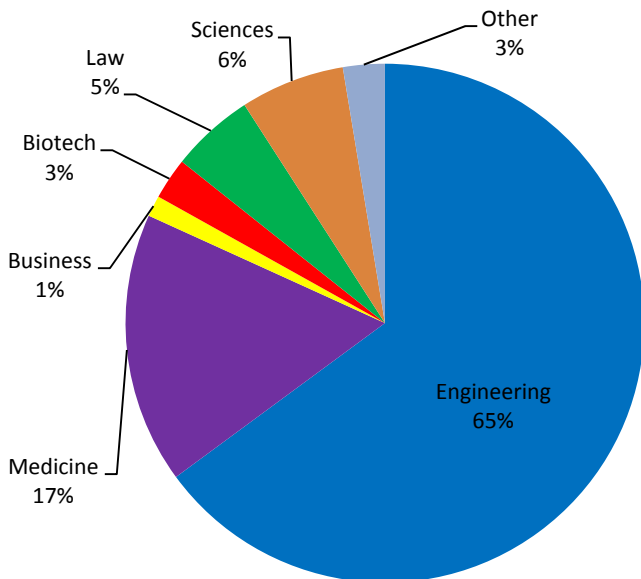
Centerview Partners, New York, NY, Analyst
Citibank, Hong Kong, Hong Kong, Analyst
Deutsche Bank, New York, NY, Analyst
Insight Venture Partners, New York, NY, Analyst
Perella Weinberg Partners, New York, NY, Analyst
The Blackstone Group, New York, NY, Analyst

SECTION 4 - ANALYSIS OF GRADUATE STUDY RESPONDENTS

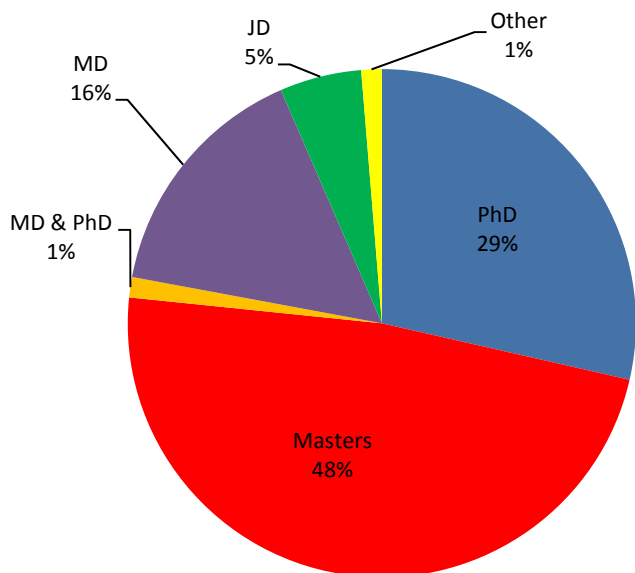
Fields of Full-time Graduate Study

Field	2010%	2009 %	2008 %
Engineering	64.9	59.8	40.4
Medicine/Dentistry/Pharma	16.9	19.5	28.8
Business	1.3	6.9	5.8
Biotechnology	2.6	3.4	3.8
Law	5.2	1.2	5.8
Sciences	6.5	8	13.5
Other	2.6	1.2	1.9

Areas of Graduate Study



Graduate School Degrees



Degrees Being Pursued

Major	Masters	PhD	MD & PhD	MD/DVM/DDS	JD	Other
AS – Biomedical Science	1	2		3	1	1
AS – Cognitive Science						
AS – Computer Science						
Bioengineering	5	4	1	8		
Chemical & Biomolecular Engineering	7	5			2	
Computer & Telecommunications Eng.	1					
Computer Science & Engineering	5				1	
Digital Media Design	3	1				
Electrical Engineering	2	4				
Materials Science & Eng.	6	5		1		
Mechanical Eng. & Applied Mechanics	5	1				
Systems Science & Engineering	2					
Total	37	22	1	12	4	1

Graduate Schools Attended by Major

Applied Science – Biomedical Science

Case Western Reserve School of Medicine, Cleveland, OH; MD; Medicine
Duke University, Durham, NC; MS; Biomedical Engineering
Einstein Medical College, NY, NY; MD; Medicine
New York University Sackler Institute, NY, NY; PhD; Biomedical Imaging
University of California San Diego, La Jolla, CA; PhD; Climate Science
University of Pittsburgh School of Medicine, Pittsburgh, PA; MD; Medicine
University of Virginia, Charlottesville, VA; JD; Law
School Name Not Provided

Bioengineering

Baylor College of Medicine, Houston, TX; MD; Medicine
Boston University School of Medicine, Boston, MA; MA; Medical Sciences
Case Western Reserve University School of Medicine, Cleveland, OH; MD; Medicine
Columbia University, New York, NY; NY, NY; PhD; Biomedical Engineering
Drexel University College of Medicine, Philadelphia, PA; MD; Medicine
Duke University School of Medicine, Durham, NC; MD; Medicine
Georgia Institute of Technology, Atlanta, GA; PhD; Biomedical Engineering
Harvard University Medical School, Boston, MA; MD; Medicine
Northwestern University, Feinberg School of Medicine, Chicago, IL; MD; Medicine
University of Minnesota, Minneapolis, MN; PhD; Biomedical Engineering
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 Pennsylvania, Philadelphia, PA; PhD; Neuroscience
University of Pennsylvania School of Medicine, Philadelphia, PA; MD; Medicine
University of Pennsylvania School of Medicine, Philadelphia, PA; MD; Medicine
University of Texas – Southwestern, MD/PhD; Medicine

Chemical & Biomolecular Engineering

California Institute of Technology, Pasadena, CA; PhD; Chemical Engineering
Massachusetts Institute of Technology, Cambridge, MA; MS; Environmental Engineering
Massachusetts Institute of Technology, Cambridge, MA; MS; Technology and Policy
Princeton University, Princeton, NJ; PhD; Chemical & Biological Engineering
Princeton University, Princeton, NJ; PhD; Chemical & Biological Engineering
Princeton University, Princeton, NJ; PhD; Chemical & Biological Engineering
University of Chicago, Chicago, IL; JD; Law
University of Delaware, Newark, DE; PhD; Chemical Engineering
University of Michigan, Ann Arbor, MI; JD; Law
University of Pennsylvania, Philadelphia, PA; MB; Biotechnology
University of Pennsylvania, Philadelphia, PA; MB; Biotechnology
University of Pennsylvania, Philadelphia, PA; MSE; Chemical & Biomolecular Engineering
University of Pennsylvania, Philadelphia, PA; MSE; Chemical & Biomolecular Engineering
University of Pennsylvania, Philadelphia, PA; MSE; Nanotechnology

Computer & Telecommunications Engineering

University of Pennsylvania, Philadelphia, PA; MSE; Telecommunications & Networking

Computer Science & Engineering

Columbia Law School, NY, NY; JD; Law
Imperial College London, London, England; MSc; Risk Management & Financial Engineering
University of Pennsylvania, Philadelphia, PA; MA; Applied Mathematics & Computational Science

Computer Science & Engineering (continued)

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 & Information Science
University of Pennsylvania, Philadelphia, PA; PhD; Computer Graphics & Game Technology
University of Pennsylvania, Philadelphia, PA; MSE; Computer Graphics & Game Technology
University of Pennsylvania, Philadelphia, PA; MSE; Computer Graphics & Game Technology

Electrical Engineering

Cornell University, Ithaca, NY; PhD; Electrical Engineering
Cornell University, Ithaca, NY; PhD; Mechanical Engineering
Stanford University, Palo Alto, CA; MS; Electrical Engineering
University of Pennsylvania, Philadelphia, PA; PhD; Electrical & Systems Engineering
University of Pennsylvania, Philadelphia, PA; PhD; Electrical & Systems Engineering
University of Pennsylvania, Philadelphia, PA; MSE; Robotics

Materials Science & Engineering

California Institute of Technology, Pasadena, CA, PhD; Materials Science
Johns Hopkins University, Baltimore, MD; PhD; Materials Science & Engineering
Northwestern University Feinberg School of Medicine; Chicago, IL; MD; Medicine
Princeton University, Princeton, NJ; PhD; Electrical Engineering
Princeton University, Princeton, NJ; PhD; Electrical Engineering
Universite de Rennes/Tu Munich; Rennes, France/Munich, Germany; MS; Materials Science
University of Cambridge, Cambridge, England; MPhil; Micro & Nanotechnology Enterprise
University of Delaware, Newark, DE; PhD; Materials Science
University of Pennsylvania, Philadelphia, PA; MSE; Bioengineering
University of Pennsylvania, Philadelphia, PA; MSE; Materials Science & Engineering
University of Pennsylvania, Philadelphia, PA; MSE; Materials Science & Engineering
University of Pennsylvania, Philadelphia, PA; MSE; Materials Science & Engineering

Mechanical Engineering & Applied Mechanics

Instituto Tecnológico de Aeronáutica, Sao José dos Campos-SP, Brasil; MS; Aero & Mechanical Engineering
Johns Hopkins University, Baltimore, MD; PhD; Mechanical Engineering
Massachusetts Institute of Technology, Cambridge, MA; MS; Aeronautics & Astronautics
Massachusetts Institute of Technology, Cambridge, MA; MS; Mechanical Engineering
University of Pennsylvania, Philadelphia, PA, MSE; Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE; Integrated Product Design

Systems Science & Engineering

London School of Economics, London, England; MSc; Finance
Massachusetts Institute of Technology, Cambridge, MA; MST; Transportation Science