

CAREER SERVICES

University of Pennsylvania

School of Engineering & Applied Science

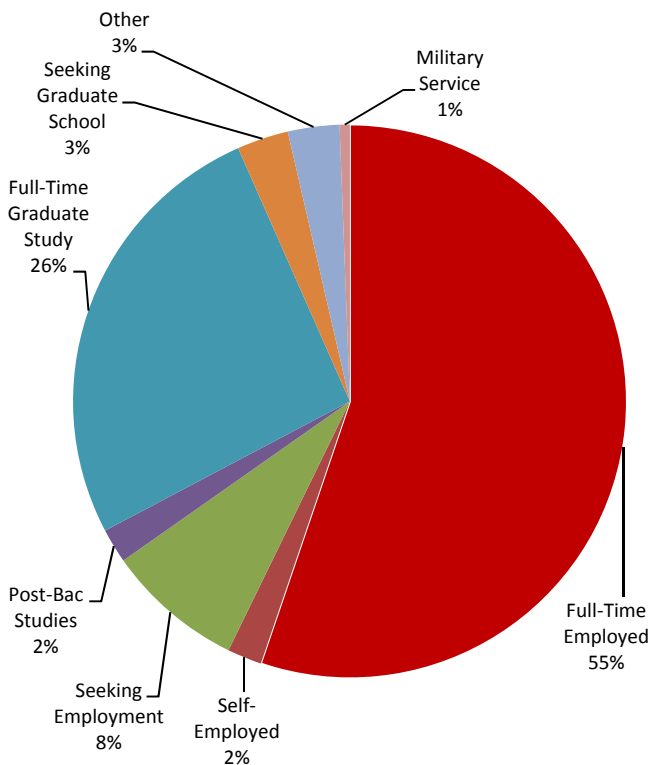
Undergraduate Career Plans Survey Report 2008-2009

Overview

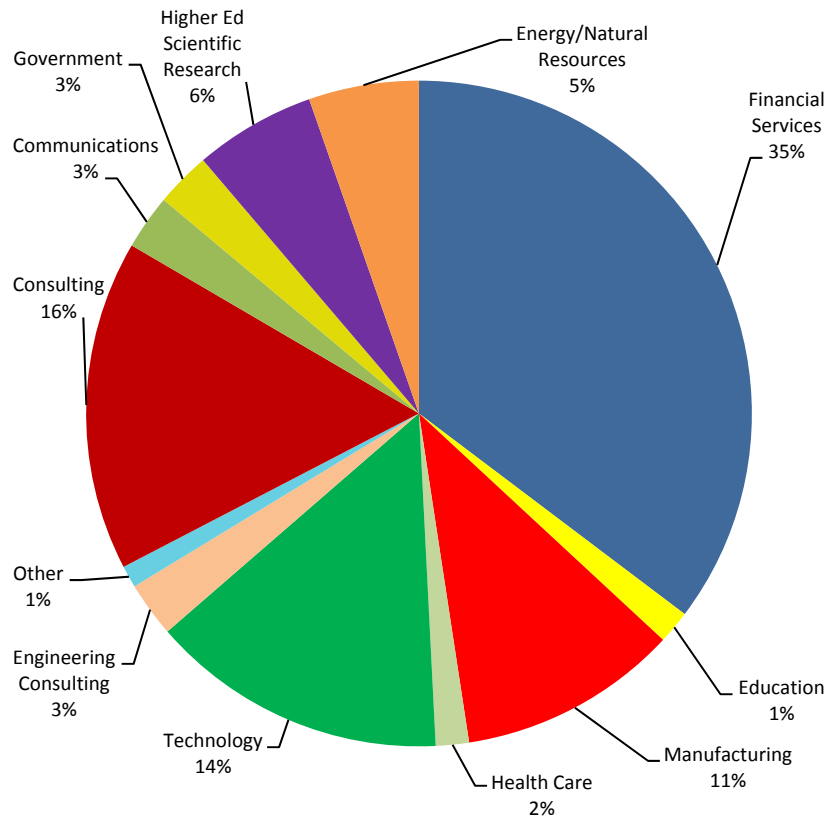
Each year Career Services surveys the SEAS graduating class to gather information about their post-graduation plans. This report summarizes the responses from December 2008, May and August 2009 SEAS BSE and BAS degree recipients. The school awarded 367 undergraduate degrees. Career Services received 333 responses, which represents a 91% response rate. Of those students reporting the date they received their offer, over 93% were offered employment prior to graduation. The top industries in which graduates accepted positions continue to be consulting, manufacturing (a 4% decrease), technology (a 2% increase) and financial services. The overall average salary of the employed respondents was \$61,884, which was a slight decrease of 1.3% from last year. Students had an average of 1.9 job offers for employment and nearly 67% accepted positions in the Mid-Atlantic or Northeast regions. With the downturn in the economy, we saw an 11% increase over last year in students going directly to graduate school or taking post-baccalaureate courses in preparation for graduate school. Of those going to graduate school, 59.8% are pursuing a degree in engineering (a 19.4% increase) and 19.5% are pursuing degrees in medicine or dentistry.

Prepared by Rosette Pyne, Senior Associate Director
 Robert Gannone, Administrative Assistant
 December 2009

Post-Graduation Plans



Industries Employing Engineering Graduates



METHODOLOGY

Engineering students graduating with either a BAS or BSE degree in December 2008, May and August 2009 responded to several email requests to complete the Career Plans Survey on line between April and October 2009. 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 2009 who was browsing the site. In October 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.

SECTION 1 - RESPONDENTS

Percent Response by Year

<u>Year</u>	<u>Degrees Awarded</u>	<u>Surveys Returned</u>	<u>Percent Response %</u>
2009	367	333	90.74%
2008	318	302	94.97%
2007	290	281	96.89%
2006	318	275	86.47%
2005	330	279	84.55%

SECTION 2 – PURSUITS

Pursuits Upon Graduation

<u>Plan</u>	<u>Responses</u>	<u>2008-2009 %</u>	<u>2007-2008 %</u>	<u>2006-2007 %</u>
Full-time Employment	183	55	71.9	68
Self-Employed	8	2.4	1.7	1.4
Attending Full-Time Graduate School	87	26	17.2	16.7
Seeking Full-time Employment	26	8	3.6	4.3
Seeking Graduate School Admission	11	3	2.3	4.3
Military Service	2	0.6	0.7	1
Other	9	3	2.6	4.3
Post-Baccalaureate Studies	7	2	N/A	N/A
TOTAL	333	100.0	100.0	100.0

SECTION 3 - ANALYSIS OF EMPLOYED RESPONDENTS

Number Accepted	Organization
8	Citigroup, University of Pennsylvania
7	Credit Suisse
6	Goldman Sachs, Microsoft
4	Bank of America/Merrill Lynch, BlackRock, ExxonMobil Corporation, JPMorgan, Schlumberger, ZS Associates
3	Boston Consulting Group, McKinsey & Co.
2	Accenture, Capital IQ, Citadel Investment Group, Deloitte, Deutsche Bank, Diamond Management & Technology Consultants, DreamWorks Animation, Google Inc., Invite Media, Lockheed Martin, Merck & Co., Pixar Animation Studios, Raytheon, Simon Kucher & Partners

Geographic Distribution of Jobs

<u>Area</u>	<u>Number</u>	<u>Percent %</u>
United States		
Northeast	8	4.3
Mid-Atlantic	117	62.9
Southeast	13	7.0
Midwest	7	3.8
Southwest	4	2.1
West	18	9.7
Northwest	6	3.2
*Abroad	13	7.0
Total:	186	100.0%

*Hong Kong, India, Mexico, Singapore, South Korea, Trinidad & Tobago, Turkey, United Arab Emirates, United Kingdom

Date Received Offer

148 graduates reported the date they received the offer for the position they accepted. 80% of Engineering graduates received their job offer before December 2008 and 93% received their offer prior to graduation.

<u>Date Received Offer</u>	<u>Percent %</u>
Before September 2008	19
September - December 2008	61
January - May 2009	13
June - September 2009	7
Total:	100%

On-Campus Recruiting Interview Activity

Total Number of Employers: 382
Total Number of Scheduled Interviews: 11,294

Range and Average Number of Interviews Per Student

	<u>Range</u>	<u>Average</u>
On-Campus Recruiting Interviews	1-75	8.4
Interviews Resulting from Career Services Leads	1-80	1.9
Interviews on Their Own	1-15	1.5

Range and Average Number of Job Offers Received Per Student

	<u>Range</u>	<u>Average</u>
On-Campus Recruiting Offers	1-10	1.8
Career Services Offers (Career Day, PennLink)	1-7	1.6
Offers from sources other than OCRS and Career Services	1-4	1.4
All Offers Combined	1-10	1.9

How Full-time Employed Respondents Received Their Job Offers

	<u>Percent %</u>
Through On-Campus Recruiting and Career Services	72.7
Previous Employer	11.3
On Their Own	16
Total:	100%

Average Starting Salary by Year

75.4% of the students who accepted full time employment reported their salaries.

<u>Year</u>	<u>Average Salary</u>	<u>% Change from Previous</u>
2009	\$61,884	-1.3
2008	\$62,680	4.2
2007	\$60,151	3.6
2006	\$58,044	5.5
2005	\$54,998	0.6

The salary range for 2009 was \$20,000 - \$100,000

Average Bonus Figures

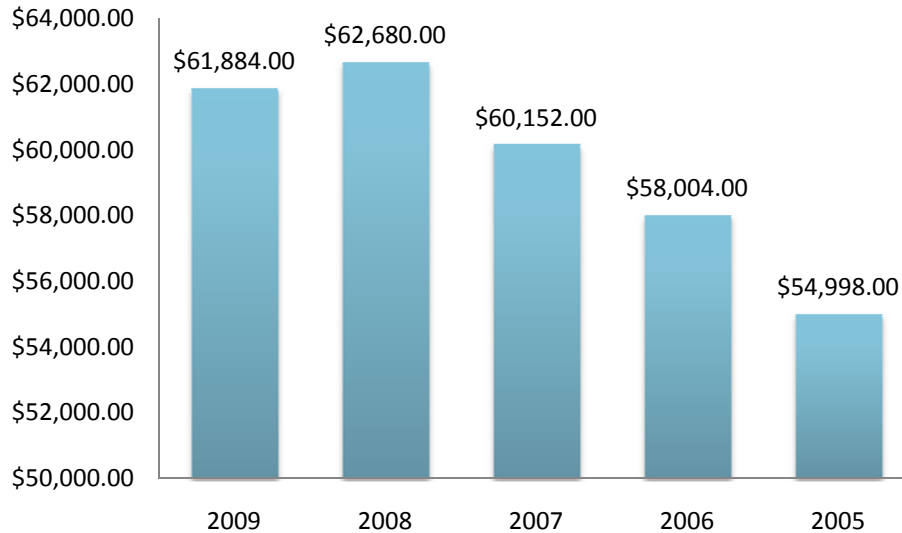
Sign-on Bonus

\$9,101 (based on 87 responses)

Annual Bonus (Estimated)

\$19,556 (based on 84 responses)

AVERAGE STARTING SALARY BY YEAR



Average Salary by Major

Major	Surveys w/ Salaries	Average	Range
Applied Science			
Biomedical Science	7	\$59,000	\$30,000 - \$85,000
Computer Science	13	\$62,500	\$55,000 - \$80,000
Individualized	8	\$61,625	\$40,000 - \$80,000
Bioengineering	22	\$53,680	\$24,960 - \$75,000
Chemical & Biomolecular Eng.	9	\$64,056	\$25,000 - \$88,000
Computer & Telecommunications Eng.	1	*	*
Computer Science & Engineering	23	\$72,674	\$36,000 - \$100,000
Digital Media Design	3	\$59,000	\$52,000 - \$65,000
Electrical Engineering	6	\$65,333	\$60,000 - \$70,000
Materials Science & Eng.	11	\$63,909	\$57,000 - \$75,000
Mech. Eng. & Appl. Mech.	23	\$60,588	\$20,000 - \$87,000
Systems Science & Eng.	17	\$61,118	\$24,000 - \$80,000
SEAS – Single Degree	71	\$60,821	\$24,000 - \$100,000
SEAS/CAS – Dual Degree**	11	\$64,273	\$50,000 - \$83,000
SEAS/WH – Dual Degree**	52	\$63,369	\$20,000 - \$85,000
SEAS with 2 Majors **	2	\$73,500	*
SEAS with 2 Wharton Concentrations	3	\$60,000	\$55,000 - 65,000

* Salary/salaries not reported to maintain confidentiality

** Counted in both major and dual majors categories

Average Salary by Gender*

Male Average Salary (SEAS Only)	\$62,619 (Based on 46 Responses)
Female Average Salary (SEAS Only)	\$57,223 (Based on 26 Responses)
Male SEAS/CAS Average Salary	\$62,100 (Based on 10 Responses)
Female SEAS/CAS Average Salary	\$68,000 (Based on 2 Responses)
Male SEAS/WH Average Salary	\$63,868 (Based on 44 Responses)
Female SEAS/WH Average Salary	\$60,625 (Based on 8 Responses)
Male with 2 Wharton Concentrations	\$73,500 (Based on 2 Responses)
Male SEAS with 2 Wharton Concentrations	\$60,000 (Based on 3 Responses)

Average Salary by Job Type

Job Type	Number of Respondents	Average Salary	Range
Consulting			
Management/Strategy	21	\$61,200	\$25,000 - \$77,000
Research	3	\$49,333	\$35,000 - \$60,000
Technical/Information Systems	7	\$59,571	\$36,000 - \$72,500
Education			
Teaching	2	\$31,000	*
Energy/Environment			
Systems Design	2	\$53,500	*
Engineering			
Construction	2	\$62,112	*
Design	6	\$74,050	\$59,800 – \$88,000
Manufacturing/Production	6	\$62,550	\$57,000 – \$66,300
Project Management	4	\$73,000	\$52,000 – \$80,000
Research & Development	4	\$63,375	\$58,500 – \$65,000
Systems	2	\$51,500	*
Finance – Investment Analysis			
Capital/Money Markets Analyst	2	\$67,500	*
Financial Analyst	12	\$63,500	\$60,000 – \$74,000
Mergers & Acquisitions Analyst	8	\$62,500	\$55,000 – \$75,000
Private Equity/Venture Capital Analyst	6	\$70,833	\$60,000 – \$85,000
Risk & Foreign Exchange Analyst	1	*	*
Securities Research Analyst	3	\$65,000	\$60,000 – \$70,000
Finance – Management & Marketing			
Investment Management/Counsel	2	\$60,000	*
Finance - Sales and Trading			
Sales	1	*	*
Trading	10	\$68,000	\$60,000 – \$85,000
Government			
Military Officer	2	\$50,000	*

Average Salary by Job Type (continued)

Job Type	Number of Respondents	Average Salary	Range
Information Technology			
Applications Programmer	5	\$63,200	\$60,000 – \$65,000
Database Manager	1	*	*
Software Designer/Developer	12	\$77,250	\$45,000 – \$100,000
Systems Analyst	2	\$64,000	*
Technical Artist	3	\$59,000	\$52,000 – \$65,000
Web Designer/Developer	1	*	*
Management			
Entrepreneur	1	*	*
General Management	1	*	*
Operations	1	*	*
Marketing			
Marketing Analysis	1	*	*
Product/Brand Management	1	*	*
Sales/Sales Account Management	1	*	*
Science			
Biology/Biochemistry	2	\$27,480	*
Biomedical (Other)	3	\$31,667	\$25,000 – \$35,000

* Salary/salaries not reported to maintain confidentiality

Average Salary by Industry

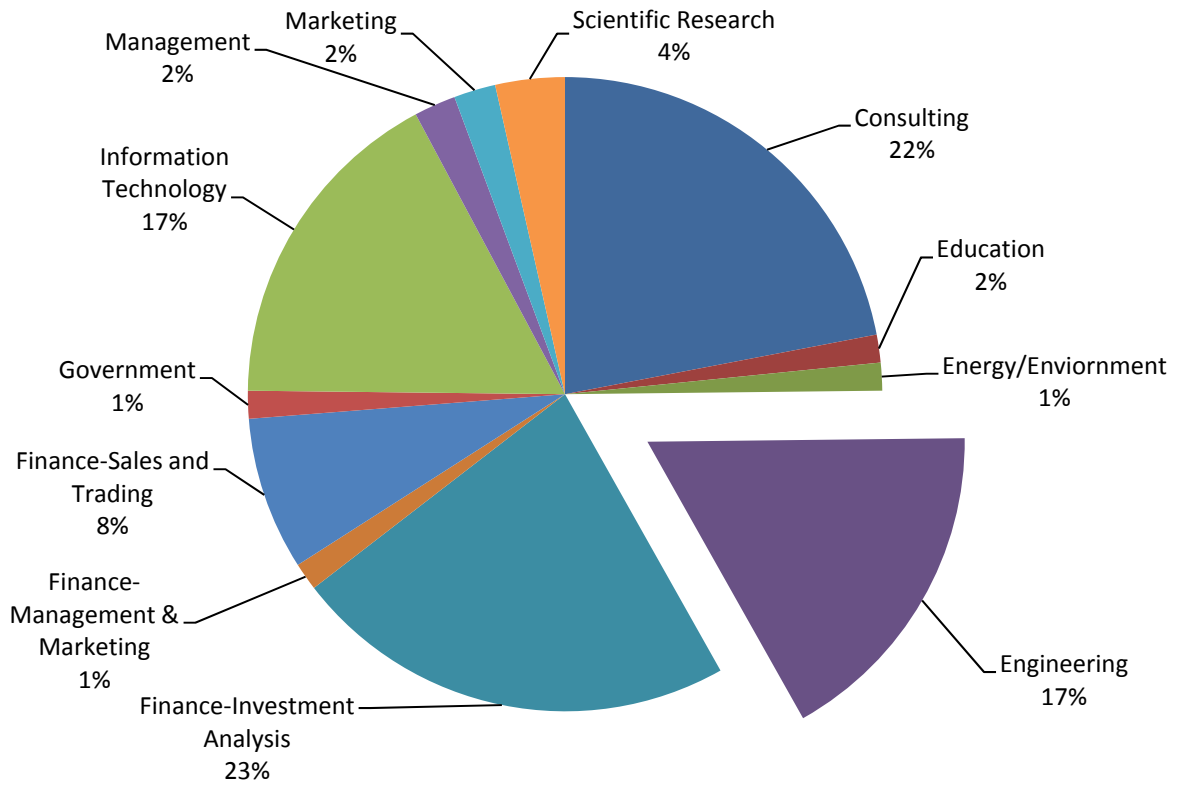
Industry	Number of Respondents	Average Salary	Range
Communications			
Film	3	\$59,000	\$52,000 – \$65,000
Education			
Elementary/Secondary Education	1	*	*
For Profit Education	2	\$29,500	*
Research (Higher Education)	3	\$29,987	\$24,960 – \$35,000
Energy/Natural Resources			
Energy Products	2	\$53,500	*
Petroleum	7	\$73,857	\$57,000 – \$88,000
Financial Services			
Financial Services (Other)	2	\$80,000	*
Investment Banking	38	\$63,632	\$55,000 – \$80,000
Investment Mgmt. /Counsel	7	\$65,000	\$50,000 – \$100,000
Venture Capital/Private Equity	5	\$73,000	\$60,000 – \$85,000
Government			
U.S. Military Service	4	\$52,625	\$50,000 – \$58,500
U.S. National Laboratories	1	*	*
Health Care			
Hospital	1	*	*

Average Salary by Industry (continued)

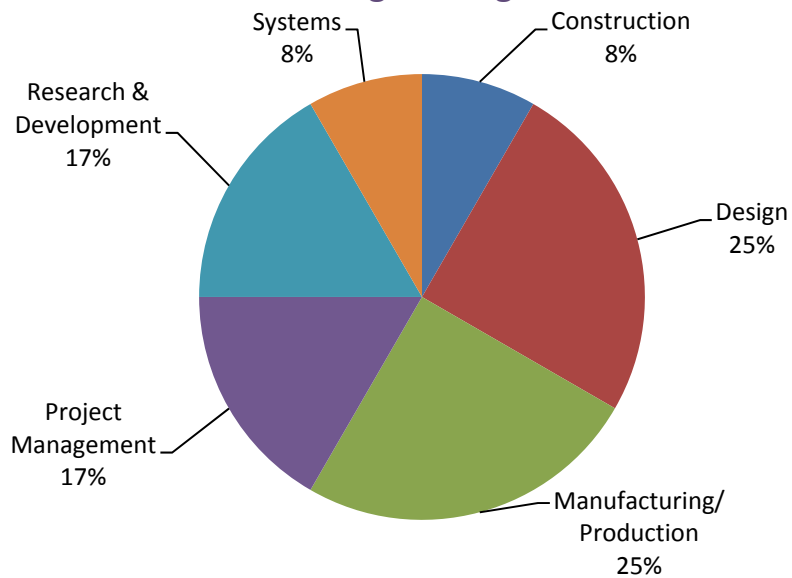
Industry	Number of Respondents	Average Salary	Range
Manufacturing			
Aerospace	2	\$62,900	*
Biomedical Products	2	\$61,250	*
Chemicals/Gases	1	*	*
Computer Products (Hardware)	1	*	*
Consumer Products	1	*	*
Manufacturing (Other)	3	\$50,000	\$40,000 – \$55,000
Pharmaceuticals	2	\$64,150	*
Services			
Construction	2	\$62,112	*
Consulting	31	\$61,039	\$48,000 – \$77,000
Hotel/Restaurant	1	*	*
Transportation	1	*	*
Technology			
E-Commerce	4	\$61,000	\$36,000 – \$85,000
Internet Services (Other)	5	\$71,800	\$45,000 – \$100,000
Online Information Provider	4	\$71,250	\$65,000 – \$85,000
Software Products	5	\$77,000	\$65,000 – \$80,000

* Salary/salaries not reported to maintain confidentiality

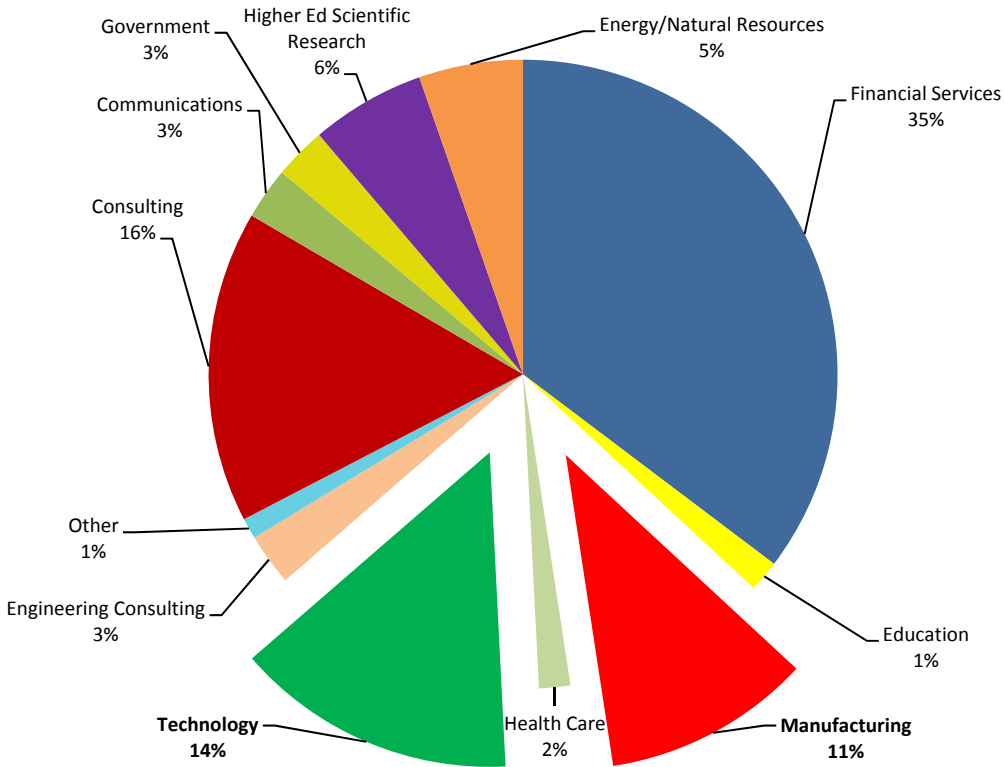
All Employed Respondents by Job Type (with Engineering Breakdown)



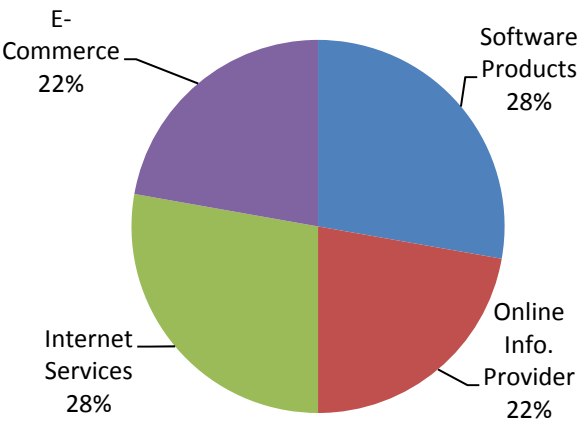
Engineering



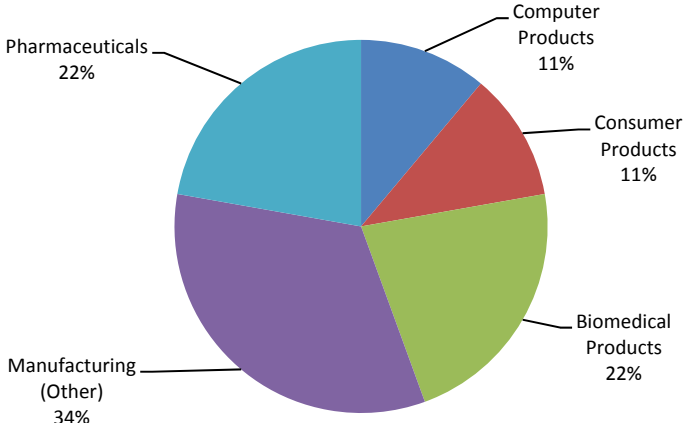
All Employed Respondents by Industry (with Manufacturing and Technology Breakdown)



Technology



Manufacturing



Employers Reported by Major

Engineering Only

Applied Science - Biomedical Science

Diamond Management & Technology Consultants, New York, NY, Analyst
Orisis Inc., Philadelphia, PA, Interactive Developer
University of Pennsylvania, Philadelphia, PA, Research Specialist

Applied Science – Computational Biology

Invite Media, Philadelphia, PA, CTO and Co-Founder

Bioengineering

Accenture, Philadelphia, PA, Analyst
Credit Suisse, Singapore, Analyst
First Investors Corporation, Philadelphia, PA, Sales Representative
Global eProcure, Clark, NJ, Associate Consultant
Hydros Bottle LLC, Philadelphia, PA, Chief Operating Officer
IMS Health, NJ, Analyst
Jefferies & Co., New York, NY, Analyst
National Institutes of Health, Bethesda, MD, Post-Bac Research Assistant
Pace Harmon, Vienna, VA, Analyst
Schlumberger, Lafayette, LA, Field Engineer
Simon Kucher & Partners, New York, NY, Consultant
Synthes, West Chester, PA, Engineering Rotation Program
Teach For America, Memphis, TN
University of California, San Francisco, CA, Project Assistant
University of Pennsylvania, Philadelphia, PA, IT Support Manager
University of Pennsylvania, Philadelphia, PA, Lab Technician
University of Pennsylvania, School of Medicine, Philadelphia, PA, Research Coordinator/Assistant
W.L. Gore, Elkton, MD, Production/Quality Engineer
Weill Cornell Medical College, New York, NY, Technician
Whatergy Inc., Philadelphia, PA, Coordinator

Chemical and Biomolecular Engineering

BASF, Charlotte, NJ, PDP Engineer
Battelle, Arlington, VA, Test Engineer
Boston Consulting Group, Mexico City, Mexico, Associate
Children's Hospital of Philadelphia, Philadelphia, PA, Research Technician
ExxonMobil Corporation, Fairfax, VA, Title Not Reported
ExxonMobil Corporation, Houston, TX, Facilities Engineer
Hospital of the University of Pennsylvania, Philadelphia, PA, Research Specialist
Johnson and Johnson Consumer Products, Skillman, NJ, Research Leadership Development Program
Merck & Co., Cokesbury, NJ, Associate Engineer
Organization Not Provided, Miami, FL, Title Not Reported
Regeneron, NY, Title Not Provided
University of Pennsylvania, Philadelphia, PA, Research Technician
University of Pennsylvania, Philadelphia, PA, Technician
Yale University, New Haven, CT, Title Not Reported

Computer & Telecommunications Engineering

Invite Media, Philadelphia, PA, Implementation Manager
Verizon Wireless, Plymouth Meeting, PA, Title Not Reported

Computer Science & Engineering

Accenture, New York, NY, Analyst
Capital IQ, New York, NY, Software Engineer
Citadel Investment Group, Chicago, IL, Financial Technology Associate
Citigroup, New York, NY, Technology Analyst

Computer Science & Engineering (continued)

Citigroup, New York, NY, Technology Analyst
Deloitte, New York, NY, Business Technology Analyst
Goldman Sachs, New York, NY, Analyst
Goldman Sachs, New York, NY, Analyst
Invite Media, Philadelphia, PA, Senior Software Engineer
Lockheed Martin, Valley Forge, PA, Software Engineer
Maass Media, Philadelphia, PA, Web Analytics Implementation Engineer
Microsoft, Redmond, WA, Software Developer Engineer
Microsoft, Seattle, WA, Program Manager
Optiver US LLC, Chicago, IL, Trader
Sony Media Software & Services, Los Angeles, CA, Programming Analyst
VistaPrint, Lexington, MA, Software Developer
Vmware, Palo Alto, CA, Member of Technical Staff

Digital Media Design

Click 3X, New York, NY, Tech Support
DreamWorks Animation, Glendale, CA, Technical Director
Dreamworks Animation, Location Not Provided, Title Not Reported
Meebo, San Francisco, CA, Title Not Reported
Pixar Animation Studios, Emeryville, CA, Technical Director
Pixar Animation Studios, Emeryville, CA, Technical Director

Electrical Engineering

Capital IQ, New York, NY, Database Engineering

Individualized Major

JP Morgan, New York, NY, First Year Analyst
Microsoft, Seattle, WA, Program Manager

Materials Science & Engineering

Goldman Sachs, New York, NY, Business Analyst
IBM, Fishkill, NY, Physical & Electronic Package Engineer
Oregon Health Sciences University, Portland, OR, Research Assistant
ZS Associates, Philadelphia, PA, Business Information Specialist Associate

Mechanical Engineering & Applied Mechanics

Clark Construction, Bethesda, MD, Office Engineer
ExxonMobil Corporation, Fairfax, VA, Title Not Reported
Goldman Sachs, New York, NY, Analyst
Kiewit, Woodcliff Lake, NJ, Engineer/Estimator
Lockheed Martin, Newtown, PA, College Student Technical Specialist
Lucifer Lighting Company, San Antonio, TX, Regional Sales Manager
McKean Defense Group, Philadelphia, PA, Control
NAVSEA, Washington, D.C., Intern
Office of Naval Intelligence, Washington, D.C., FIS Analyst
Paragon Lake, Inc., Lexington, MA, Product Software Developer
Prudential Financial, Dresher, PA, Title Not Reported
Raytheon Missile Systems, Youngstown, OH, Manufacturing Engineer
Raytheon, Fort Wayne, IN, Mechanical Engineer I
SAIC, Washington, D.C., Mechanical Engineer
Schlumberger, Rock Springs, WY, Field Engineer
Schlumberger, Weston, WV, Field Engineer
Tetra Tech EC, Inc., Langhorne, PA, Assistant Mechanical Engineer

Systems Science & Engineering

Chungdahm Learning, Seoul, South Korea, Teacher
Citigroup, New York, NY, Analyst
Deloitte, Boston, MA, Business Technology Analyst

Systems Science & Engineering (continued)

Goldman Sachs, New York, NY, Analyst
Grantek, Allentown, PA, Systems Engineer
Morgan Stanley, New York, NY, Research Jr. Associate
Pragma Corporate Finance, Turkey, Analyst
Simon-Kucher & Partners, New York, NY, Consultant
STV, Philadelphia, PA, Transportation Systems Specialist
Thomas Group, Dallas, TX, Senior Analyst
TransMarket Group, Philadelphia, PA, Trader
ZS Associates, Princeton, NJ, Operations Research Analyst

Engineering Dual Majors

Bloomberg LP, New York, NY, Financial Software Developer
Merck & Co., West Point, PA, Associate Automation Engineer
Organization Not Provided, Hong Kong, Information Technology & Services
ZS Associates, Princeton, NJ, Business Information Specialist Associate

Engineering & Two Wharton Concentrations

Bank of America, New York, NY, Investment Banking Analyst
Deutsche Bank, New York, NY, Analyst
Rosetta, New York, NY, Associate

Engineering & CAS

Applied Science – Biomedical Science & CAS

Advisory Board Company, Washington, DC, Analyst

Applied Science - Computer Science & CAS

Microsoft, Redmond, WA, Program Manager
University of Pennsylvania, Philadelphia, PA, Scientific Software Specialist

Bioengineering & CAS

Credit Suisse, San Francisco, CA, Analyst
L.E.K. Consulting, Boston, MA, Associate
University of Pennsylvania School of Medicine, Philadelphia, PA, Medical Research Specialist

Chemical and Biomolecular Engineering & CAS

Credit Suisse, New York, NY, Analyst
Organization Not Reported, Location Not Reported, Analyst

Computer Science & Engineering & CAS

BlackRock, New York, NY, Analyst
comScore, Reston, VA, Program Manager
Google Inc., New York, NY, Software Test Engineer

Materials Science & Engineering & CAS

Apple Retail, Washington, DC, Specialist
ExxonMobil Corporation, Houston, TX, Analyst

Mechanical Engineering and Applied Science & CAS

Citi Markets & Banking, New York, NY, Analyst
Goldman Sachs, New York, NY, Analyst

Systems Science & Engineering & CAS

Applied Predictive Technologies, Arlington, VA, Client Solutions Provider

Engineering & Wharton

Applied Science - Biomedical Science & Wharton

Boston Consulting Group, New York, NY, Associate

Applied Science - Biomedical Science & Wharton (continued)

Easton Associates, New York, NY, Research Associate
Kohlberg, Kravis, Roberts & Co., San Francisco, CA, Analyst

Applied Science - Computer Science & Wharton

Bank of America/Merrill Lynch, New York, NY, Analyst
BlackRock, New York, NY, Analyst
Citigroup, New York, NY, Trader
Credit Suisse, San Francisco, CA, Investment Banking Analyst
McKinsey & Co., New York, NY, Business Analyst
Moelis and Company, Los Angeles, CA, Analyst
Sanford Bernstein, New York, NY, Junior Research Associate
SMB Capital, New York, NY, Trader

Bioengineering & Wharton

Citigroup, New York, NY, Analyst
Electronic Arts, Redwood City, CA, PMO Metrics Analyst

Chemical and Biomolecular Engineering & Wharton

Bain Capital Ventures, Boston, MA, Analyst
Boston Consulting Group, Dubai, United Arab Emirates, Junior Associate
Citadel Investment Group, Chicago, IL, Associate
JP Morgan, New York, NY, Analyst
The Blackstone Group, New York, NY, Analyst

Computer Science & Wharton

Blackrock, New York, NY, Analyst
Citigroup, New York, NY, Analyst
Google, Inc., Mountain View, CA, Software Engineer
Microsoft, Redmond, WA, Program Manager
Microsoft, Seattle, WA, Program Manager - UX
Whispering Palms Resort, New Delhi, India, Title Not Reported

Electrical Engineering & Wharton

Dodge & Cox, San Francisco, CA, Equity Research Associate
Houlihan Lokey Howard & Zukin, New York, NY, Financial Analyst
Qatalyst Partners, San Francisco, CA, Analyst
Rho Ventures, New York, NY, Venture Capital Analyst

Individualized Engineering & Wharton

Credit Suisse HK Ltd., Hong Kong, Analyst
Government of Singapore Investment Corporation, Singapore, Title Not Reported
JP Morgan, New York, NY, Analyst
Memory Bank Computers, Port of Spain, Trinidad and Tobago, Director of Business Development
Rothschild Inc., New York, NY, Financial Analyst
Silver Lake Partners, New York, NY, Analyst
SR Mica, Kolkata, India, Finance/Marketing

Materials Science and Engineering & Wharton

Booz & Company, Florence Park, NJ, Consultant
Credit Suisse, New York, NY, Analyst
Deutsche Bank, New York, NY, Analyst
Diamond Management & Technology Consultants, Chicago, IL, Analyst
McKinsey & Co., New York, NY, Business Analyst
NYSE Euronext, New York, NY, Business Analyst
Schlumberger, Aberdeen, United Kingdom, Junior Field Engineer
Silver Point Capital, Greenwich, CT, Junior Analyst

Mechanical Engineering and Applied Mechanics & Wharton

Alvarez and Marsal, New York, NY, Consultant
Banc of America Securities, New York, NY, Analyst
Citigroup, New York, NY, Sales and Trading Analyst
Credit Suisse, New York, NY, Analyst
JP Morgan, New York, NY, Analyst
LLR Partners, Philadelphia, PA, Analyst
RBC Capital Markets, New York, NY, Investment Banking Analyst
Singapore Airlines, Singapore, Marketing Position
The Boston Consulting Group, Chicago, IL, Associate
ZS Associates, Philadelphia, PA, Operations Research Associate

Systems Science and Engineering & Wharton

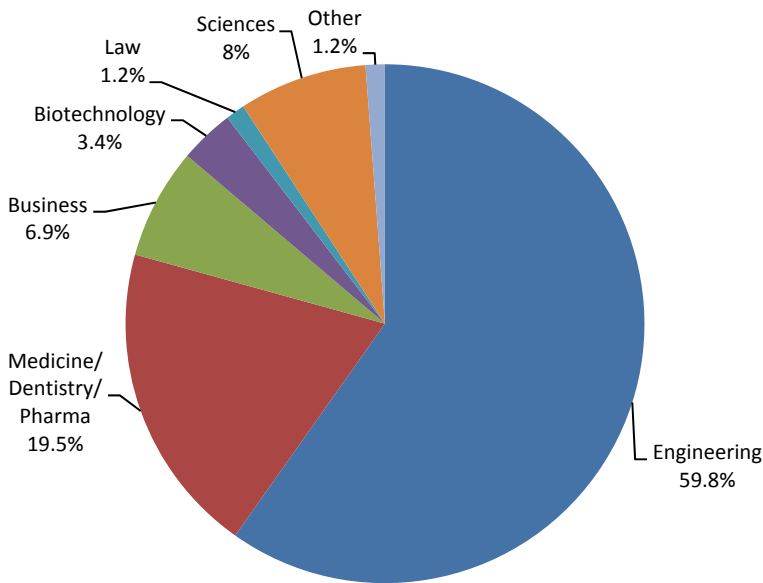
Barclays Capital, New York, NY, Analyst
Blackrock, New York, NY, Analyst
Energy Solutions, Oakland, CA, Energy Efficiency Associate
Macquarie Capital, New York, NY, Analyst
McKinsey & Co., New York, NY, Analyst
Merrill Lynch / Bank of America, New York, NY, Analyst
Perella Weinberg Partners, New York, NY, Analyst
Royal Bank of Scotland, Stamford, CT, Analyst

SECTION 4 - ANALYSIS OF GRADUATE STUDY RESPONDENTS

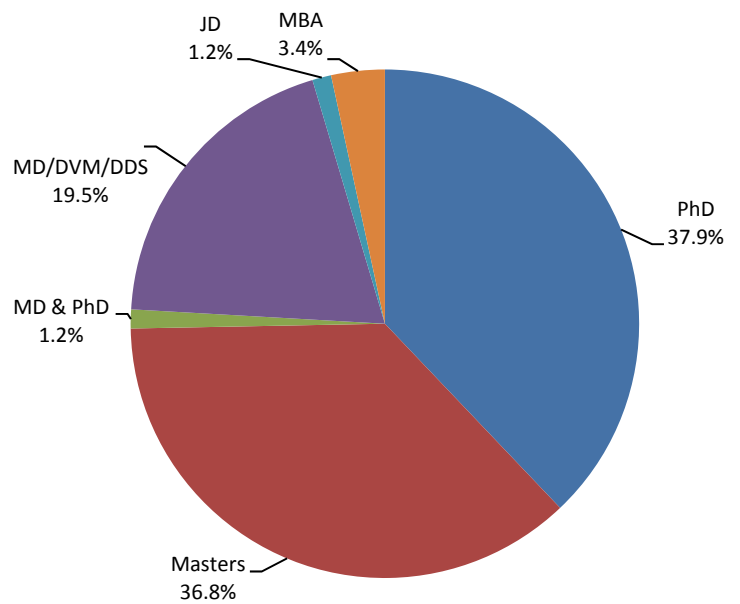
Fields of Full-time Graduate Study

Field	2009 %	2008 %	2007 %
Engineering	59.8	40.4	40.4
Medicine/Dentistry/Pharma	19.5	28.8	23.4
Business	6.9	5.8	6.4
Biotechnology	3.4	3.8	4.3
Law	1.2	5.8	8.5
Sciences	8	13.5	10.6
Other	1.2	1.9	6.4

Areas of Graduate Study



Graduate School Degrees



Degrees Being Pursued

Major	Masters	PhD	MD & PhD	MD/DVM/DDS	JD	MBA
AS – Biomedical Science				5		1
AS – Cognitive Science		2				
AS – Computer Science		1				
Bioengineering	6	11	1	8		
Chemical & Biomolecular Engineering	4	4		3		
Computer Science & Engineering	1	4				
Digital Media Design	1					
Electrical Engineering	3	3				
Materials Science & Eng.	6	4			1	2
Mechanical Eng. & Applied Mechanics	6	3		1		
Systems Science & Engineering	5	1				
Total	32	33	1	17	1	3

Graduate Schools Attended by Major

Applied Science – Biomedical Science

New York Medical College, Valhalla, NY, MD
New York University School of Medicine, New York, NY, MD
Penn State College of Medicine, Hershey, PA, MD
Queens University, Kingston, Ontario, Canada, MBA; Business
Texas A&M Medical School, College Station, TX, MD; Medicine
University of Colorado, Boulder, CO, PharmD; Pharmacy

Applied Science – Cognitive Science

Cornell University, Ithaca, NY, PhD; Information Science
University of Toronto, Toronto, Ontario, PhD; Computer Science

Applied Science – Computer Science

Washington University in St. Louis, St. Louis, MO, PhD; Philosophy

Bioengineering

Case Western Reserve University, Cleveland, OH, PhD; Biomedical Engineering
Case Western Reserve University, Cleveland, OH, PhD; Biomedical Engineering
Columbia University, New York, NY, Masters; Financial Mathematics
Cornell University, Ithaca, NY, PhD; Bioengineering
Dartmouth Medical School, Hanover, NH, MD; Medicine
Drexel University, Philadelphia, PA, PhD; Biomedical Engineering
Feinberg School of Medicine, Chicago, IL, MD; Medicine
Harvard Medical School, Boston, MA, MD; Health Sciences and Technology
Johns Hopkins University, Baltimore, MD, PhD; Biomedical Engineering
Lake Erie College of Osteopathic Medicine, Greensburg, PA, DO; Medicine
Northwestern, Chicago, IL, PhD; Interdepartmental Biology
The Commonwealth Medical College, Scranton, PA, MD; Medicine
Tufts University, School of Medicine, Boston, MA, MS; Biomedical Science
University Alabama School of Medicine, Birmingham, AL, MD; Medicine
University of California - San Francisco, San Francisco, CA, PhD; Neuroscience
University of California San Diego, San Diego, CA, PhD; Bioengineering
University of Miami, Miami, FL, MD; Medicine
University of Michigan, Ann Arbor, MI, MD; Medicine
University of Pennsylvania, Philadelphia, PA, MB; Biotechnology
University of Pennsylvania, Philadelphia, PA, MSE; Bioengineering
University of Pennsylvania, Philadelphia, PA, MSE; Bioengineering
University of Pennsylvania, Philadelphia, PA, MSE; Bioengineering
University of Pittsburgh, Pittsburgh, PA, PhD; Biostatistics
University of Southern California, Los Angeles, CA, PhD; Neuroscience
University of Utah, Salt Lake City, UT, PhD; Bioengineering- Neural Interfaces
University of Virginia, Charlottesville, VA, PhD; Bioengineering

Chemical & Biomolecular Engineering

Columbia University, New York, NY, MS; Chemical Engineering
George Washington University School of Medicine, Washington, DC, MD; Medicine
New York University, New York, NY, MD; Medicine
Stanford University, Stanford, CA, PhD; Electrical Engineering
Tufts University, Medford, MA, PhD; Molecular Biology
University of California Berkeley, Berkeley, CA, PhD; Chemical and Biomolecular Engineering
University of Delaware, Newark, DE, PhD; Chemical Engineering
University of Maryland, Baltimore, MD, MD; Medicine
University of Pennsylvania, Philadelphia, PA, MB; Biotechnology
University of Pennsylvania, Philadelphia, PA, MB; Biotechnology
University of Pennsylvania, Philadelphia, PA, MSE; Systems Engineering

Computer Science & Engineering

Carnegie Mellon University, Pittsburgh, PA, PhD; Computer Science
Cornell University, Ithaca, NY, PhD; Computer Science
Harvard University, Cambridge, MA, PhD; Computer Science
UC Berkeley, Berkeley, CA, PhD; Computer Science
University of Pennsylvania, Philadelphia, PA, MSE; Computer and Information Science

Digital Media Design

University of Pennsylvania, Philadelphia, PA, Masters; CGGT

Electrical Engineering

Cornell University, Ithaca, NY, M.Eng; Electrical Engineering
Cornell University, Ithaca, NY, PhD; Mechanical and Aerospace Engineering
Duke University, Durham, NC, PhD; Mathematics
Princeton University, Princeton, NJ, PhD; Electrical Engineering
Stanford University, Palo Alto, CA, MS; Electrical Engineering
Università Commerciale Luigi Bocconi, Milan, Italy, Masters; Quantitative Finance & Risk Management

Materials Science & Engineering

California Institute of Technology, Pasadena, CA, PhD; Materials Science
George Mason University, Fairfax, VA, JD; Law
IIM, India, MBA; Finance
Imperial College London, London, England, MS; Physics
Massachusetts Institute of Technology, Boston, MA, MEng; MSE
Massachusetts Institute of Technology, Boston, MA, PhD; Materials Science and Engineering
MIT, Cambridge, MA, MS; Materials Science
Purdue University, West Lafayette, IN, PhD; Materials Engineering
Rice University, Houston, TX, MBA; Finance
Stanford University, Stanford, CA, MS; Chemical Engineering
University of California, San Diego, La Jolla, CA, PhD; Materials Science and Engineering
University of Pennsylvania, Philadelphia, PA, MCIT
University of Pennsylvania, Philadelphia, PA, MSE; Materials Science and Engineering

Mechanical Engineering & Applied Mechanics

Georgia Institute of Technology, Atlanta, GA, PhD; Mechanical Engineering
Harvard University, Cambridge, MA, PhD; Mechanical Engineering
Stanford University, Palo Alto, CA, MSE; Mechanical Engineering
Tech University of Munich, Munich, Germany, MS; Automotive Engineering
The Ohio State University College of Medicine, Columbus, OH, MD; Medicine
University of Pennsylvania, Philadelphia, PA, MS; MEAM
University of Pennsylvania, Philadelphia, PA, MSE; Integrated Product Design
University of Pennsylvania, Philadelphia, PA, MSE; Integrated Product Design
University of Pennsylvania, Philadelphia, PA, MSE; Robotics
University of Pennsylvania, Philadelphia, PA, PhD; Mechanics of Solids

Systems Science & Engineering

Drexel University, Philadelphia, PA, PhD; Electrical Engineering
Stanford University, Palo Alto, CA, MS; Computer Science
Stanford University, Stanford, CA, Masters; Management Science and Engineering
University of Pennsylvania, Philadelphia, PA, MS; Systems Engineering
University of Pennsylvania, Philadelphia, PA, MSE; Bioengineering
University of Pennsylvania, Philadelphia, PA, MSE; Systems Engineering