

# CAREER SERVICES

## University of Pennsylvania

### School of Engineering & Applied Science

## Undergraduate Career Plans Survey Report 2004-2005

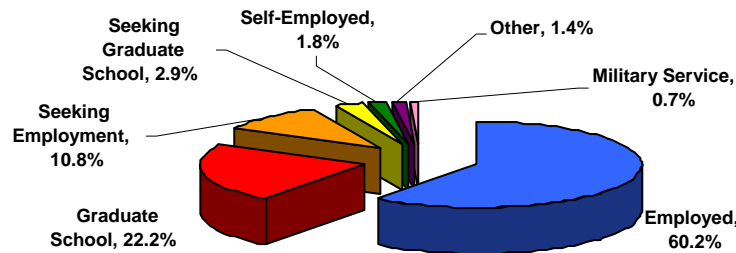
### Overview

Each year Career Services surveys the SEAS graduating class to gather information about their post-graduation plans. This report summarizes the responses from December 2004, May and August 2005 SEAS Bachelor's degree recipients. The school awarded 330 undergraduate degrees. Career Services received 279 responses, which represents an 84.9% response rate.

Nearly 65% of the survey respondents were employed full time (including military service and self employment). The top industries that graduates accepted positions in were consulting, financial services, manufacturing, and technology. Over 20% were pursuing graduate work, which is an increase of over 6% from last year. Of those going on to graduate school, nearly half are pursuing a degree in engineering. The percentage of those still seeking employment was 10.8%, which is the same number who were still seeking last year. Of those who are employed full-time, 86.9% reported salary information. The overall average salary of the employed respondents was \$54,988.

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### Post Graduation Plans



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## METHODOLOGY

Engineering students graduating with either a BAS or BSE degree in December 2004, May and August 2005 responded to several email requests to complete the Career Plans Survey on line between April and July 2005. A link was added to the Engineering section of the Career Services website for any student in the Class of 2005 who was browsing the site. A hard copy of the survey was mailed in December to those who had not responded to earlier requests. In January and February, the remaining 70 students who had not responded were emailed individually with a friendly request to fill out the survey.

### SECTION 1 - RESPONDENTS

#### Percent Response by Year

<u>Year</u>	<u>Degrees Awarded</u>	<u>Surveys Returned</u>	<u>Percent Response %</u>
2005	330	279	84.55%
2004	340	303	89.11%
2003	355	284	80.00%
2002	398	327	82.16%
2001	302	295	97.68%

### SECTION 2 - PURSUITS

#### Pursuits Upon Graduation

<u>Plan</u>	<u>Number</u>	<u>2004-2005%</u>	<u>2003-2004%</u>	<u>2002-2003%</u>
Full-time Employment	168	60.2	68.6	59.8
Self-Employed	5	1.8	0.3	1.4
Attending Full-time Graduate School	62	22.2	15.5	22.9
Seeking Full-time Employment	30	10.8	10.9	13.7
Seeking Graduate School Admission	8	2.9	2.3	1.4
Military Service	2	0.4	0.7	0.4
Other	4	1.4	1.7	0.4
<b>TOTAL:</b>	<b>279</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### SECTION 3 - ANALYSIS OF EMPLOYED RESPONDENTS

#### Employers with the Most Offers Accepted

<b>Number Accepted</b>	<b>Company/Organization</b>
10	Goldman Sachs
8	Microsoft Corporation
7	Accenture, Citigroup, Lockheed Martin
5	CGI-AMS, Merrill Lynch
4	Deloitte and Touche, IBM, Monitor Group, UBS Investment Bank
3	McKinsey & Co., U.S. Patent & Trademark Office
2	Deutsche Bank, Easton Associates, Global Prior Art, L-3 Communications EAST, Lehman Brothers, LEK Consulting, L'Oreal USA, Mercer Oliver Wyman, Susquehanna International Group, The Walt Disney Studios, Transportation Resource Associates

## Geographic Distribution of Jobs

<u>Area</u>	<u>Number</u>	<u>Percent %</u>
United States		
Northeast	17	9.8
Mid-Atlantic	102	59.1
Southeast	16	9.2
Midwest	4	2.3
West	13	7.5
Northwest	9	5.2
Abroad	12	6.9
<b>Total:</b>	<b>173</b>	<b>100%</b>

## Date Received Offer

170 graduates reported the date they received the offer for the position they accepted. Over 90% received their offer prior to graduation.

<u>Date Received Offer</u>	<u>Percent %</u>
Before September 2004	10.0
September – December 2004	50.6
January – March 2005	18.8
April – May 2005	11.8
June – September 2005	4.7
October – December 2005	4.1
<b>Total:</b>	<b>100%</b>

## Range and Average Number of Interviews Per Student

	<u>Range</u>	<u>Average</u>
On-Campus Recruiting Interviews	1-63	9.7
Interviews Resulting from Career Services Leads	1-8	2.2
Interviews on Their Own	1-17	2.3

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

	<u>Range</u>	<u>Average</u>
On-Campus Recruiting Offers	1-11	2.2
Career Services Offers (Career Day, PennLink)	1-5	1.5
Offers from sources other than OCRS and Career Services	1-4	1.4
All Offers Combined	1-11	1.9

## How Full-time Employed Respondents Received Their Job Offers

	<u>Number</u>	<u>Percent %</u>
Through On-Campus Recruiting and Career Services	113	65
Previous Employer	19	11*
On Their Own	41	24
<b>Total:</b>	<b>173</b>	<b>100%</b>

\*Of those indicating employment from a previous employer, 68% accepted an offer following an internship they had received by contact through Career Services.

## Average Starting Salary by Year

90% of the students who accepted full time employment reported their salaries.

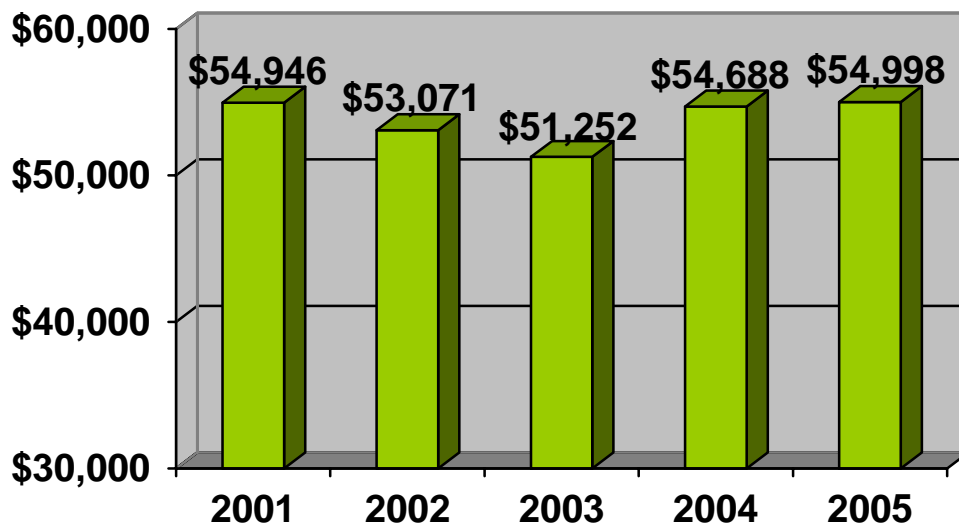
<u>Year</u>	<u>Average Salary</u>	<u>% Change from Previous Year</u>
2005	\$54,998	0.6
2004	\$54,688	6.7
2003	\$51,252	-3.4
2002	\$53,071	-3.4
2001	\$54,946	7.2

The salary range for 2005 was \$20,000 - \$88,000

## Average Bonus Figures

Sign-on Bonus	\$6,413 (based on 90 responses)
Annual Bonus (Estimated)	\$15,541 (based on 87 responses)

## Average Starting Salary By Year



## Average Salary by Major

<u>Major</u>	<u>Surveys w/ Salaries</u>	<u>Average</u>	<u>Range</u>
Applied Science			
Biomed. Sci.	2	\$40,500	----
Comp. & Cog. Sci.	1	*	*
Comp. Sci.	7	\$58,500	\$55,000 – 75,500
Digital Media Design	1	*	*

## Average Salary by Major (continued)

<b>Major</b>	<b>Surveys w/ Salaries</b>	<b>Average</b>	<b>Range</b>
Bioengineering	25	\$50,248	\$20,000 – 60,000
Chemical & Biomolecular Eng.	6	\$54,250	\$50,000 – 60,000
Civil Engineering	5	\$50,120	\$45,600 – 55,000
Computer & Telecommunications Eng.	5	\$64,440	\$55,000 – 88,000
Computer Science & Engineering	32	\$59,578	\$45,600 – 84,000
Digital Media Design	3	\$66,667	\$60,000 – 80,000
Electrical Engineering	21	\$55,659	\$40,000 – 72,000
Individualized	13	\$51,769	\$25,000 – 62,000
Materials Science & Eng.	0	----	-----
Mech. Eng. & Appl. Mech.	7	\$51,114	\$25,000 – 78,300
Systems Science & Eng.	24	\$53,817	\$36,000 – 85,000
SEAS – Single Degree	83	\$52,145	\$20,000 – 88,000
SEAS/CAS – Dual Degree**	16	\$51,938	\$24,000 – 55,500
SEAS/WH – Dual Degree**	47	\$58,553	\$40,000 – 85,000
SEAS/SEAS – Dual Degree**	6	\$69,617	\$55,000 – 83,000
SEAS/WH/CAS**	1	*	*

\* Single salaries not reported

\*\* Counted in both major and dual degree categories

## Average Salary By Sex\*

Male Average Salary (excluding SEAS/WH students)	\$53,946 (based on 67 responses)
Female Average Salary (excluding SEAS/WH students)	\$51,500 (based on 37 responses)
Male SEAS/WH Average Salary	\$58,526 (based on 39 responses)
Female SEAS/WH Average Salary	\$55,313 (based on 6 responses)

\* There were 3 anonymous responses where sex was not disclosed.

## Average Salary by Job Type

<b>Job Type (Surveys with Salaries)</b>	<b>Average Salary</b>	<b>Range</b>
<b>Accounting</b>		
Internal Accounting (1)	*	*
<b>Consulting</b>		
Management/Strategy (20)	\$55,125	\$46,000 – 63,000
Research (5)	\$44,000	\$26,000 – 50,000
Technical/Information Systems (21)	\$52,833	\$36,000 – 60,000
<b>Economics</b>		
Economic Development (1)	*	*

## Average Salary by Job Type (continued)

<b>Job Type (Surveys with Salaries)</b>	<b>Average Salary</b>	<b>Range</b>
<b>Engineering</b>		
Construction (2)	\$49,500	-----
Design (7)	\$49,529	\$41,600 – 57,000
Manufacturing/Production (1)	*	*
Project Management (5)	\$72,300	\$57,000 – 88,000
Research & Development (4)	\$60,550	\$50,000 – 67,000
Testing (1)	*	*
<b>Finance – Commercial Banking</b>		
Investment Analysis (1)	*	*
<b>Finance – Corporate</b>		
Financial Planning & Analysis (2)	\$48,500	-----
<b>Finance – Investment Analysis</b>		
Capital/Money Markets Analyst (1)	*	*
Mergers & Acquisitions (8)	\$53,125	\$40,000 – 60,000
Fin. Analyst (Generalist) (14)	\$55,375	\$45,000 – 65,000
Securities Research Analyst (2)	\$55,000	-----
Venture Capital Analyst (1)	*	*
<b>Finance – Management &amp; Marketing</b>		
Investment Management/Counsel (4)	\$56,250	\$50,000 – 65,000
<b>Sales and Trading</b>		
Sales (2)	\$70,000	-----
Trading (7)	\$57,857	\$50,000 – 80,000
<b>Government</b>		
Legislative Aid (1)	*	*
Policy Research/Analysis (4)	\$53,050	\$45,000 – 56,000
Public Management (1)	*	*
<b>Information Services</b>		
Applications Programming (3)	\$56,000	\$48,000 – 60,000
Software Design/Develop. (16)	\$60,063	\$50,000 – 83,000
Systems Analysis (5)	\$59,800	\$55,000 – 72,000
Web Design/Development (3)	\$60,000	\$48,000 – 80,000
<b>Law</b>		
Paralegal(1)	*	*
<b>Management</b>		
General Management (3)	\$65,000	\$45,000 – 75,000
Operations Management (1)	*	*
<b>Not For Profit</b>		
Fund Raising/Promotion(1)	*	*
<b>Scientific Research</b>		
Biomedical (2)	\$22,500	-----
Chemistry (1)	*	*

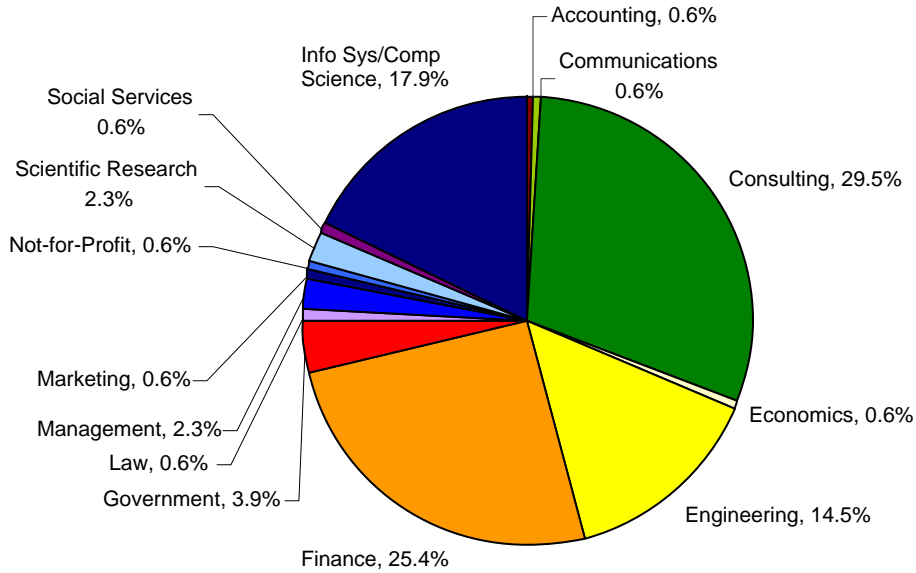
\*Single salaries not reported

## Average Salary by Industry

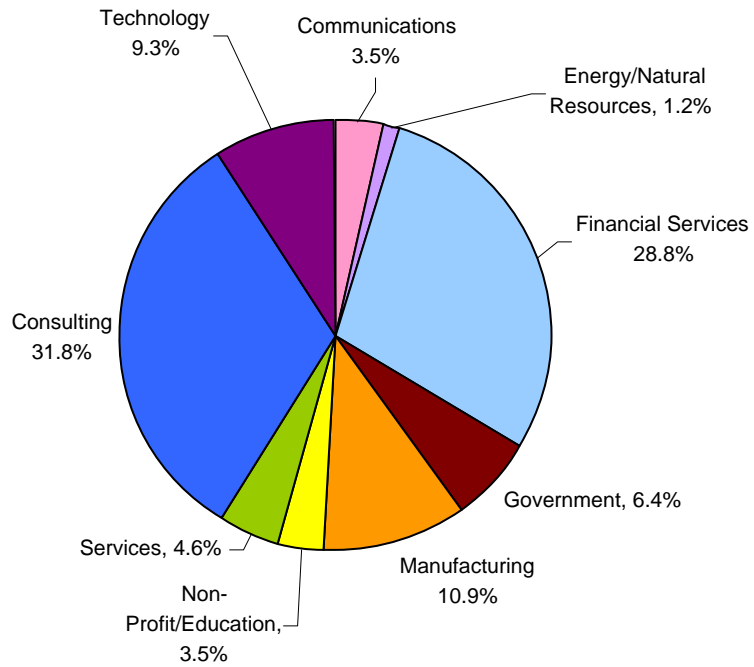
Industry	Number of Respondents	Average Salary	Range
<b>Communications</b>			
Advertising/Public Relations	1	*	*
Film/Recording	3	\$66,667	\$60,000 – 80,000
Telecommunications	1	*	*
<b>Energy/Natural Resources</b>			
Energy Products (Non-Petroleum)	2	\$53,500	-----
<b>Financial Services</b>			
Commercial Banking	2	\$53,000	-----
Financial Services (Other)	3	\$56,667	\$55,000 – 60,000
Investment Banking	34	\$56,029	\$45,000 – 85,000
Investment Mgmt. /Counsel	8	\$59,625	\$50,000 – 80,000
<b>Government</b>			
Local Government	1	*	*
U.S. Executive Branch	5	\$53,840	\$45,000 – 57,000
U.S. Legislative Branch	1	*	*
<b>Manufacturing</b>			
Aerospace	9	\$55,389	\$49,000 – 65,000
Biomedical Products	1	*	*
Chemicals/Gases	1	*	*
Computer Products (hardware)	1	*	*
Consumer Products	3	\$52,615	\$51,000 – 56,800
Textiles	1	*	*
<b>Non-Profit/Education</b>			
Cultural Institutions/Arts	1	*	*
Higher Education/Sci. Research	4	\$46,050	\$20,000 – 72,000
<b>Services</b>			
Construction	2	\$49,500	-----
Consulting	50	\$52,982	\$26,000 – 75,500
Design	1	*	*
Legal Services	1	*	*
Retail	1	*	*
<b>Technology</b>			
E-Commerce	1	*	*
Internet	2	\$69,000	-----
Software Products	12	\$67,167	\$48,000 – 88,000

\*Single salaries not reported

**All Employed Respondents by Job Type**  
Includes Surveys With & Without Salaries



**All Employed Respondents by Industry**  
Includes Surveys With and Without Salaries



## **Employers Reported by Major**

### **Applied Science Biomedical Science**

Children's Hospital of Philadelphia, Philadelphia, PA; Research Technician  
Easton Associates, New York, NY; Research Associate  
UBS Investment Bank, New York, NY; Associate

### **Applied Science Computer & Cognitive Science**

Department of Defense, Fort Meade, MD; Global Network Analyst

### **Applied Science Computer Science**

Accenture, New York, NY; Analyst  
CGI-AMS, Fairfax, VA; Functional Analyst  
Lockheed Martin, Moorestown, NJ; Associate Member Engineering Staff  
Marakon Associates, New York, NY; Associate Consultant  
McKinsey & Co., New York, NY; Analyst  
Microsoft, Redmond, WA; Program Manager  
Morgan Stanley, New York, NY; Analyst

### **Applied Science Digital Media Design**

Emphasis Media Limited, Hong Kong, PRC; Inflight Entertainment Editor

### **Bioengineering**

Accenture, Chicago, IL; Analyst  
Accenture, Florham Park, NJ; Analyst  
Accenture, Philadelphia, PA; Title Not Provided  
Accenture, Reston, VA; Consultant  
Accenture, Reston, VA; Consultant  
Cambridge Pharma Consultancy, New York, NY; Analyst  
Campus Crusade for Christ, Philadelphia, PA; Title Not Provided  
CGI-AMS, Washington, DC; Consultant  
CGI-AMS, New York, NY; Consultant  
First Flavor Inc., Philadelphia, PA; Founder and Exec VP  
Gabelli Asset Management, Rye, NY; Analyst  
Global Prior Art, Boston, MA; Associate  
Global Prior Art, Boston, MA; Associate  
Goldman Sachs, New York, NY; Analyst  
Jefferies & Co., New York, NY; Analyst  
JM Hyde Consulting, New Wales, PA; Pharmaceutical Engineer  
LEK Consulting, Boston, MA; Analyst  
Mars & Company, Greenwich, CT; Associate Consultant  
MEDACorp, Boston, MA; Analyst  
Mercer Oliver Wyman, New York, NY; Consultant  
Merrill Lynch, Hong Kong, PRC; Analyst  
Oaktree, Los Angeles, CA; Analyst  
Public Service Commission of Singapore, Singapore, Republic of Singapore; Title Not Provided  
Spectranetics, Colorado Springs, CO; Engineer  
US Patent & Trademark Office, Alexandria, VA; Patent Examiner  
US Patent & Trademark Office, Alexandria, VA; Patent Examiner  
US Patent & Trademark Office, Alexandria, VA; Patent Examiner  
US Patent & Trademark Office, Washington, DC; Patent Examiner  
Vanderbilt University, Nashville, TN; Research Assistant

## Employers Reported by Major (continued)

### Chemical & Biomolecular Engineering

Accenture, Philadelphia, PA; Entry-level Analyst  
LEK Consulting, Boston, MA; Consultant  
L'Oreal USA, Clark, NJ; Associate Chemist  
L'Oreal USA, Clark, NJ; Title Not Provided  
Rohm and Haas, Croydon, PA; Title Not Provided  
TargetRx, Horsham, PA; Operations Research Associate

### Civil Engineering Systems

Clark Construction, Bethesda, MD; Title Not Provided  
IBM, New York, NY; Title Not Provided  
Intech Construction Inc., Philadelphia, PA; Loop Trainee  
KPFF Consulting Engineers, San Francisco, CA; Structural Engineer  
The Reinvestment Fund, Philadelphia, PA; Market Specialist

### Computer Science & Engineering

Applied Predictive Technologies, Arlington, VA; Business Consultant  
C/base (ecount) Corporation, Conshohocken, PA; Production Support Engineer  
CGI-AMS, Fairfax, VA; Consultant  
Citadel Investment Group, Chicago, IL; Investment and Trading Analyst  
Citigroup, New York, NY; Analyst  
Deloitte and Touche, New York, NY; Security Consultant  
Deutsche Bank, New York, NY; Analyst  
Electronic Arts, Redwood Shores, CA; Technical Artist  
Goldman Sachs, New York, NY; Analyst  
Goldman Sachs, New York, NY; Analyst  
Goldman Sachs, New York, NY; Technology Analyst  
Goldman Sachs, New York, NY; Technology Analyst  
Goldman Sachs, New York, NY; Technology Analyst  
Google, Inc., Kirkland, WA, Software Engineer  
Government of Singapore Investment Corporation, Singapore, Republic of Singapore; Investment Officer  
IBM, Boston, MA; Business Consultant  
Lockheed Martin, Moorestown, NJ; Title Not Provided  
LOG-NET, Redbank, NJ; Software Developer  
McKinsey & Co., City Not Provided, NJ; Business Analyst  
Merrill Lynch, Hopewell, NJ; Analyst  
Merrill Lynch, Pennington, NJ; Technology Analyst  
Microsoft, Redmond, WA; Developer  
Microsoft, Redmond, WA; Developer  
Microsoft, Redmond, WA; Program Manager  
Microsoft, Redmond, WA; Program Manager  
Microsoft, Redmond, WA; Program Manager  
Microsoft, Redmond, WA; Program Manager  
Monitor Group, Toronto, ON; Consultant  
OG Pte Ltd, Singapore, Republic of Singapore; Title Not Provided  
Prophet 21, Yardley, PA; Application Developer  
Sapient, Jersey City, NJ; Consultant  
Sensis Corporation, East Syracuse, NY; Jr. Software Engineer  
Susquehanna International Group, Bala Cynwyd, PA; Technology Associate  
Susquehanna International Group, Bala Cynwyd, PA; Technology Associate  
Tritek Solutions, New York, NY; Associate  
U.S. District Attorney's Office, Philadelphia, PA; Programmer  
UBS Investment Bank, Stamford, CT; IT Analyst  
Urban Redevelopment Authority, Singapore, Republic of Singapore; Title Not Provided  
Volentine, Francos & Whitt P.L.L.C., Reston, VA; Student Associate

## **Employers Reported by Major (continued)**

### **Computer & Telecommunications Engineering**

CGI-AMS, Fairfax, VA; Consultant  
Merrill Lynch, Hopewell, NJ; Technology Analyst  
Microsoft, Seattle, WA; Program Manager  
MIT Lincoln Laboratory, Lexington, MA; Associate Engineer  
ThinkEquity Partners, San Francisco, CA; Analyst

### **Digital Media Design**

Pixar Animation Studios, Emeryville, CA; Technical Director  
The Walt Disney Studios, Burbank, CA; Assistant Technical Director  
The Walt Disney Studios, Burbank, CA; Software Engineer

### **Electrical Engineering**

Automated Threat Detection, Princeton, NJ; DSP Firmware Developer  
BAE Systems, Nashua, NH; Reliability Engineer I  
Bain Capital, Boston, MA; Analyst  
Blasland, Bouck, & Lee, Dewitt, NY; Assistant Project Manager  
Citigroup, New York, NY; Analyst  
Deloitte and Touche, McLean, VA; System Analyst  
Fitch Ratings, New York, NY; Analyst  
Goldman Sachs, New York, NY; Analyst  
IBM, New York, NY; Analyst  
Johns Hopkins University Applied Physics Lab, Laurel, MD; Staff  
JPMorgan, New York, NY; Investment Banking Analyst  
L-3 Communications EAST, Camden, NJ; Associate Engineer  
L-3 Communications EAST, Camden, NJ; Associate Engineer  
Lehman Brothers, New York, NY; Analyst  
Lehman Brothers, New York, NY; START Analyst  
Lockheed Martin, King of Prussia, PA; Systems Engineer  
Lockheed Martin, Moorestown, NJ; Title Not Provided  
Mahindra & Mahindra, Mumbai, India; Title Not Provided  
Mercer Oliver Wyman, New York City, NY; Consultant  
Merrill Lynch, New York, NY; IT Analyst  
Princeton Consulting, Princeton, PA; Analyst  
Raymond James & Associates, Inc., St. Petersburg, FL; Analyst  
Sagent Advisors, New York, NY; Analyst

### **Individualized Major**

Booz Allen Hamilton, McLean, VA; Consultant  
Broadview International, Foster City, CA; Analyst  
Citigroup, New York, NY; Analyst  
Credit Suisse First Boston, New York, NY; Sales Analyst  
Goldman Sachs, Hong Kong, PRC; Analyst  
Goldman Sachs, New York, NY; Analyst  
Johnson & Johnson, New Brunswick, NJ; Financial Analyst  
McKinsey & Co., New York, NY; Business Analyst  
Monitor Group, Cambridge, MA; Associate Consultant  
Monitor Group, New York, NY; Consultant  
New York City Urban Fellows Program, New York, NY; Urban Fellow  
Pasupati Spinning & Weaving Mills Ltd., New Delhi, India; Director  
Rosetta Marketing Strategies Group, Princeton, NJ; Consultant  
The Blackstone Group, New York, NY; Analyst  
The Boston Consulting Group, Boston, MA; Associate

## **Employers Reported by Major (continued)**

### **Materials Science & Engineering**

Defense Science and Technology Agency, Singapore, Republic of Singapore; Title Not Provided  
Surfboard Engineering Company, San Diego, CA; President

### **Mechanical Engineering & Applied Mechanics**

Consolidated Edison of New York, New York, NY; Management Associate  
Constellation Energy Commodities Group, Baltimore, MD; Title Not Provided  
Lockheed Martin, Moorestown, NJ; Associate Member of Engineering Staff  
Lockheed Martin, Newtown, PA; Title Not Provided  
Merriman Curhan Ford & Co., San Francisco, CA; Investment Banking Analyst  
The Whitehead Institute, Boston, MA; Researcher  
Transportation Resource Associates, Philadelphia, PA; Title Not Provided  
UBS Investment Bank, New York, NY; Analyst  
United States Navy, Washington, DC; Title Not Provided  
Verizon Inc, Philadelphia, PA; Supervisor - Network Ops

### **Systems Science & Engineering**

Citigroup, New York, NJ; Analyst  
Citigroup, New York, NY; Analyst  
Citigroup, New York, NY; Analyst  
Citigroup, New York, NY; Assistant Derivative Salesperson  
Deloitte and Touche, New York, NY; Consultant  
Deloitte and Touche, New York, NY; Economic Consultant  
Deutsche Bank, New York, NY; Analyst  
Easton Associates, New York, NY; Research Associate  
FTI Consulting, New York, NY; Associate  
Goldman Sachs, San Francisco, CA; Analyst  
IBM, New York, NY; Consultant  
Kensico Capital Management, Greenwich, CT; Junior Analyst  
Lockheed Martin, Orlando, FL; Operations Engineer Leadership Development Program  
Marshall Fields, Minneapolis, MN; Business Analyst  
Mercer Management Consulting, Boston, MA; Analyst  
Monitor Group, Cambridge, MA; Consultant  
Nishkian Menninger, San Francisco, CA; Staff Engineer  
Pittiglio, Rabin, Todd, and Martin (PRTM), Chicago, IL; Consultant  
SRA International, Fairfax, VA; Associate  
The Boeing Company, Ridley Park, PA; Engineer II  
The Vanguard Group, Valley Forge, PA; Start IT Program  
Transportation Resource Associates, Philadelphia, PA; Transportation Engineer  
UBS Investment Bank, Hong Kong, PRC; Title Not Provided  
ZS Associates, New York, NY; OR Analyst

### **Engineering & CAS\***

Accenture, Florham Park, NJ; Analyst  
Booz Allen Hamilton, McLean, VA; Consultant  
C/base (ecount) Corporation, Conshohocken, PA; Production Support Engineer  
CGI-AMS, Fairfax, VA; Consultant  
Defense Science and Technology Agency, Singapore, Republic of Singapore; Title Not Provided  
Deutsche Bank, New York, NY; Analyst  
Easton Associates, New York, NY; Research Associate  
Emphasis Media Limited, Hong Kong, PRC; Inflight Entertainment Editor  
First Flavor Inc., Philadelphia, PA; Founder and Exec VP  
Goldman Sachs, New York, NY; Analyst  
Goldman Sachs, New York, NY; Technology Analyst  
L'Oreal USA, Clark, NJ; Associate Chemist  
Merrill Lynch, Hong Kong, PRC; Analyst

## Employers Reported by Major (continued)

### Engineering & CAS (continued)

Microsoft, Redmond, WA; Developer  
Microsoft, Redmond, WA; Program Manager  
Monitor Group, Cambridge, MA; Consultant  
Monitor Group, Toronto, ON; Consultant  
OG Pte Ltd, Singapore, Republic of Singapore; Title Not Provided  
Rosetta Marketing Strategies Group, Princeton, NJ; Consultant  
The Reinvestment Fund, Philadelphia, PA; Market Specialist  
UBS Investment Bank, Hong Kong, PRC; Title Not Provided  
Urban Redevelopment Authority, Singapore, Republic of Singapore; Title Not Provided

### Engineering & Wharton\*

Accenture, New York, NY; Analyst  
Applied Predictive Technologies, Arlington, VA; Business Consultant  
Bain Capital, Boston, MA; Analyst  
Broadview International, Foster City, CA; Analyst  
CGI-AMS, Fairfax, VA; Functional Analyst  
Citadel Investment Group, Chicago, IL; Investment and Trading Analyst  
Citigroup, New York, NY; Analyst  
Citigroup, New York, NY; Analyst  
Citigroup, New York, NY; Analyst  
Citigroup, New York, NY; Analyst  
Citigroup, New York, NY; Assistant Derivative Salesperson  
Constellation Energy Commodities Group, Baltimore, MD; Title Not Provided  
Credit Suisse First Boston, New York, NY; Sales Analyst  
Deutsche Bank, New York, NY; Analyst  
Goldman Sachs, Hong Kong, PRC; Analyst  
Goldman Sachs, New York, NY; Analyst  
Goldman Sachs, New York, NY; Analyst  
Goldman Sachs, New York, NY; Analyst  
Goldman Sachs, New York, NY; Analyst  
Goldman Sachs, New York, NY; Analyst  
Goldman Sachs, New York, NY; Technology Analyst  
Goldman Sachs, New York, NY; Technology Analyst  
Goldman Sachs, San Francisco, CA; Analyst  
Government of Singapore Investment Corporation, Singapore, Republic of Singapore; Investment Officer  
Jefferies & Co., New York, NY; Analyst  
Johnson & Johnson, New Brunswick, NJ; Financial Analyst  
Kensico Capital Management, Greenwich, CT; Junior Analyst  
Marakon Associates, New York, NY; Associate Consultant  
McKinsey & Co., City Not Provided, NJ; Business Analyst  
McKinsey & Co., New York, NY; Analyst  
McKinsey & Co., New York, NY; Business Analyst  
MEDACorp, Boston, MA; Analyst  
Mercer Management Consulting, Boston, MA; Analyst  
Mercer Oliver Wyman, New York City, NY; Consultant  
Microsoft, Redmond, WA; Program Manager  
Microsoft, Redmond, WA; Program Manager  
Microsoft, Redmond, WA; Program Manager  
Microsoft, Redmond, WA; Program Manager  
Monitor Group, Cambridge, MA; Associate Consultant  
Monitor Group, New York, NY; Consultant  
Oaktree, Los Angeles, CA; Analyst  
Pasupati Spinning & Weaving Mills Ltd., New Delhi, India; Director  
Raymond James & Associates, Inc., St. Petersburg, FL; Analyst  
Rohm and Haas, Croydon, PA; Title Not Provided

## Employers Reported by Major (continued)

### Engineering & Wharton\* (continued)

Sagent Advisors, New York, NY; Analyst  
 The Blackstone Group, New York, NY; Analyst  
 The Boston Consulting Group, Boston, MA; Associate  
 ThinkEquity Partners, San Francisco, CA; Analyst  
 Trittek Solutions, New York, NY; Associate  
 UBS Investment Bank, New York, NY; Analyst  
 UBS Investment Bank, New York, NY; Associate  
 United States Navy, Washington, DC; Title Not Provided  
 ZS Associates, New York, NY; OR Analyst

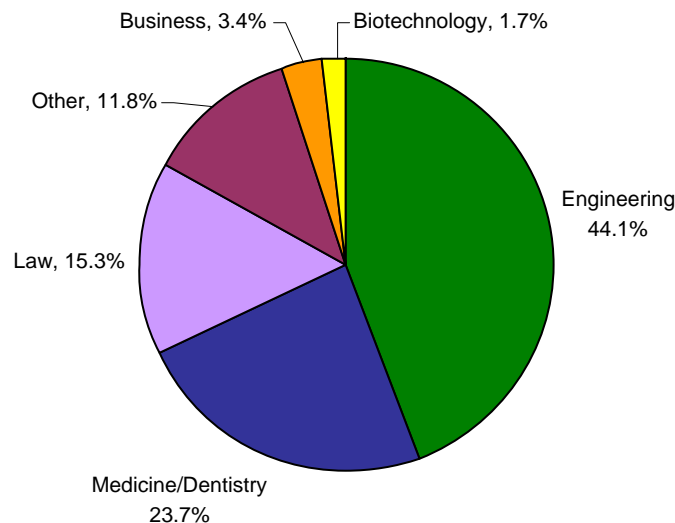
\*All employers/positions are also listed by engineering major.

## SECTION 4 - ANALYSIS OF GRADUATE STUDY RESPONDENTS

### Fields of Full-time Graduate Study

Field	2005	2004	2003	2002
Engineering	44.1%	55.2%	57.8%	45.7%
Medicine/Dentistry	23.7%	12.8%	17.2%	17.1%
Business	3.4%	6.4%	3.1%	10.0%
Architecture	0.0%	0.0%	3.1%	0.0%
Biotechnology	1.7%	6.4%	4.7%	0.0%
Education	0.0%	0.0%	3.1%	2.9%
Law	15.3%	6.4%	1.6%	12.9%
Multimedia	0.0%	0.0%	3.1%	5.7%
Other	11.8%	12.8%	6.3%	5.7%

### Areas of Graduate Study



## Degrees Being Pursued\*

MAJOR	MSE/MS/MB/ MBA/MA/MFA	PhD	MD/ DVM	JD
AS – Biomedical Science	1	1	2	
Bioengineering	4	9	10	2
Chemical Engineering	2	3	1	1
Civil Engineering	1			
Computer Science & Eng.	2	3		3
Computer & Tel. Eng.	1			
Digital Media Design	1			
Electrical Engineering	3	1		
Individualized Major	1			2
Materials Science & Eng.				1
Mechanical Eng. & Applied Mechanics	2			
Systems Science & Engineering	2			
<b>TOTAL</b>	20	17	13	9

\*Three students indicated they were attending full-time graduate school, but did not indicate where or what they were studying.

## Graduate Schools Attended by Major

### Applied Science in Biomedical Science

Harvard University, MD; Medicine  
 Louisiana State University, MD; Medicine  
 University of Pennsylvania, MB; Biotechnology  
 University of Pennsylvania, PhD; Health Care Systems

### Bioengineering

Baylor College of Medicine, MD; Medicine  
 Boston University, MA; Medicine  
 Columbia University, PhD; Bioengineering  
 Cornell University, PhD; Biomedical Engineering  
 Franklin Pierce, JD; Law  
 Harvard University, MD; Medicine  
 Massachusetts Institute of Technology, MS; Technology and Policy  
 Mt Sinai School of Medicine, MD; Medicine  
 New York University, MD; Medicine  
 New York University, MD; Medicine  
 Robert Wood Johnson University, MD; Medicine  
 School Not Provided, MD; Medicine  
 St. Louis University, MD; Medicine  
 Stanford University, PhD; Bioengineering  
 Stanford University, PhD; Biomechanics  
 Stanford University, PhD; Developmental Biology  
 Stanford University, MS; Health Service Research

**Bioengineering (continued)**

Stanford University, PhD; Field Not Reported  
Temple University, Pre-Dental  
University of California at San Diego, PhD; Bioengineering  
University of Florida, PhD; Bioengineering  
University of Georgia, JD; Law  
University of Pennsylvania, MBA; Health Care Management and Finance  
University of Pennsylvania, MD; Medicine  
University of Pennsylvania, MD; Medicine  
University of Washington, PhD; Bioengineering

**Chemical & Biomolecular Engineering**

California Institute of Technology, PhD; Chemical Engineering/Environmental Engineering  
North Carolina State University, MS; Civil & Environmental Engineering  
University of California at Berkeley, MSPHD; Environmental Engineering  
University of Pennsylvania, MSE; Chemical and Biomolecular Engineering  
Virginia Tech, PhD; Chemical Engineering  
Wayne State University, MD; Medicine

**Civil Engineering Systems**

Princeton University, MSE; Civil Engineering

**Computer Science & Engineering**

Harvard University, PhD; Computer Science  
St. John's University, JD; Law  
Stanford University, MS; Computer Science  
Temple University, JD; Law  
University of Pennsylvania, JD; Law  
University of Pennsylvania, PhD; Computer and Information Science  
University of Pennsylvania, PhD; Economics  
University of Virginia, MS; System Engineering

**Computer & Telecommunications Engineering**

University of Pennsylvania, MS; Electrical Engineering

**Digital Media Design**

Brown University, MSE; Computer Science

**Electrical Engineering**

Massachusetts Institute of Technology, MS; Technology & Policy  
University of California at Berkeley, MS; Electrical Engineering  
University of Maryland, PhD; Electrical Engineering  
University of Pennsylvania, MSE; Systems Engineering

**Individualized Major**

Brooklyn Law School, JD; Patent Law  
London School of Economics, MSc; Bioscience, Biomedicine and Society  
Yeshiva University, JD; Law

**Materials Science & Engineering**

University of Pennsylvania, JD; Law

**Mechanical Engineering & Applied Mechanics**

Stanford University, MSE; Mechanical Engineering  
University of Pennsylvania, MSE; Transportation Systems Engineering

**Systems Science & Engineering**

Oxford University, MSc; Computer Science  
University of Pennsylvania, MSE; Systems Engineering