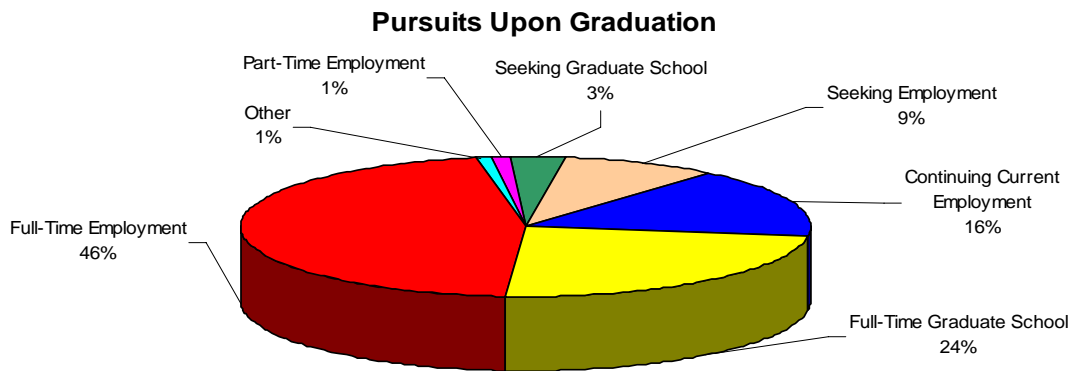


### Overview

Each year, Career Services surveys SEAS students who earned Master's degrees to gather information about their post-graduation plans. This report includes data from students who graduated in December 2006, May and August 2007. Information was gathered on one hundred fifty-one (66.37%) of the two hundred twenty-six Master's degree recipients. We do not survey graduates from the Executive Masters in Technology Management Program.

The top industries in which graduates accepted positions included consulting, aerospace, financial services, and scientific research. 50% of the graduates who accepted engineering jobs did so in Research & Development positions, a significant increase over the previous year. Two industry sectors realized the most gains in students accepting positions: manufacturing was up 7% and consulting was up 4%. Students pursuing careers in financial services decreased by 5%. In all sections of this report, average salaries include respondents who were beginning full-time employment or were continuing current employment. The overall average salary for SEAS Master's respondents was \$66,875, a 2.3% change from last year.

Prepared by: Rosette Pyne, Senior Associate Director  
 Liz Stanley, Associate Director  
 Leon Chou, Assistant  
 December 2007



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# METHODOLOGY

A complete list of graduating Master's students, excluding students in the Executive Masters of Technology and Management program, was provided by the SEAS Academic Programs Office. Engineering students graduating with a Master's degree in December 2006, May and August 2007 responded to several email requests to complete the Career Plans Survey on line between April and August 2007. A link was added to the Engineering section of the Career Services website for easy student access. In November 2007, a friendly request to complete the survey was sent via email to students who had not responded to earlier requests.

## SECTION 1 – ANALYSIS OF EMPLOYED RESPONDENTS

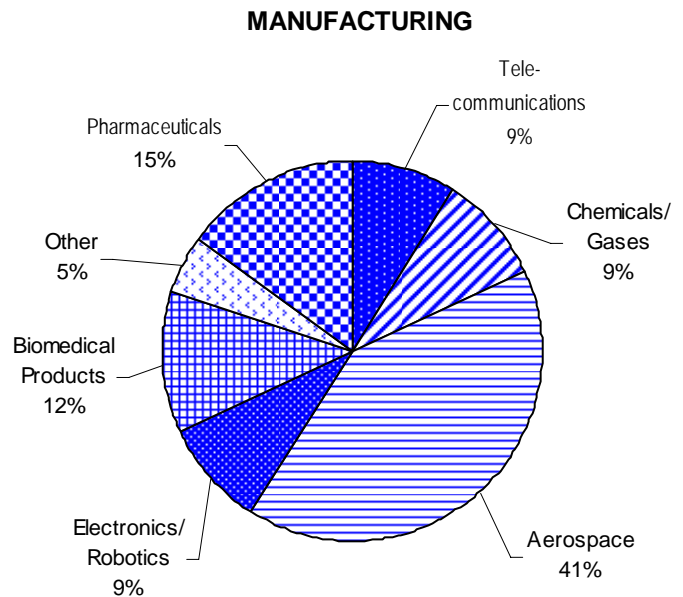
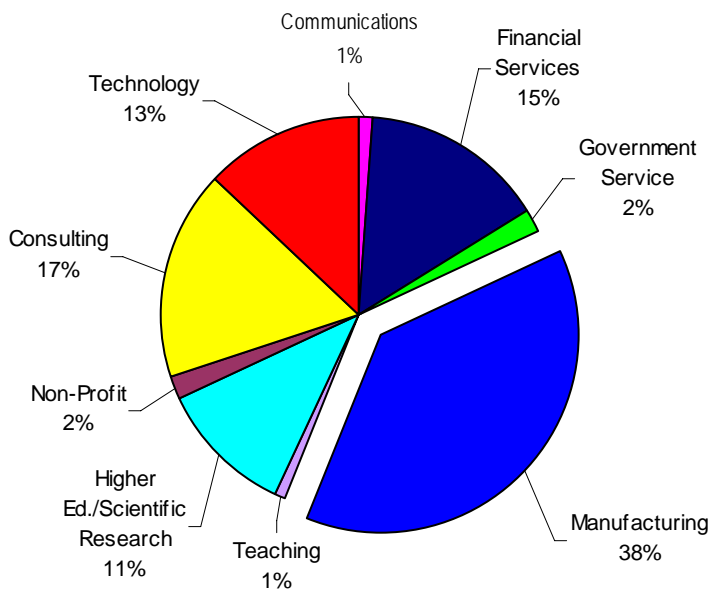
### GEOGRAPHIC DISTRIBUTION OF EMPLOYMENT

Area	Number	Percent
United States		
Midwest	4	4.5%
Northeast	3	3.4%
Northeast Corridor	63	70.8%
Northwest	3	3.4%
Southeast	4	4.5%
West	7	7.8%
Abroad	5	5.6%
<b>TOTAL</b>	<b>89</b>	<b>100.0%</b>

### EMPLOYMENT BY INDUSTRY

Number	Industry
15	Consulting
14	Aerospace
10 in each	Higher Education Scientific Research, Investment Banking
5	Pharmaceuticals
4 in each	Biomedical Products, Interactive Entertainment, Software Products
3 in each	Telecommunications, Chemicals/Gases, Electronics/Robotics
2 in each	Government, Internet Services, Investment Management/Council, Manufacturing (Other)
1 in each	Communications, Design, Health Care, Public Interest, Teaching, Venture Capital/Private Equity

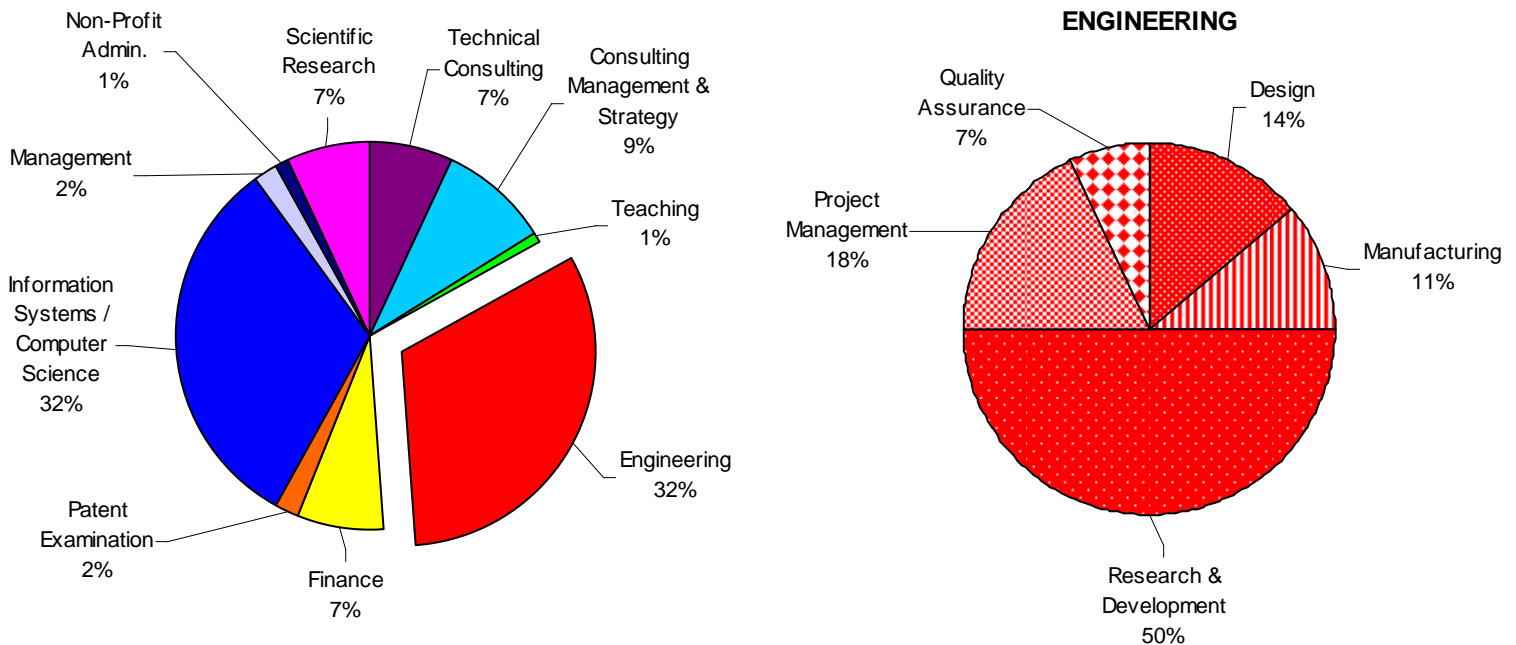
### EMPLOYMENT BY INDUSTRY (with Manufacturing Breakdown)



## EMPLOYMENT BY JOB TYPE

Number	Job Type
16	Software Design & Development
14	Research & Development
8	Consulting Management & Strategy
7	Scientific Research
6 in each	Technical Consulting, Finance
5 in each	Project Management, Technology Analysis
4 in each	Engineering Design, Technical Artistry/Directing
3	Manufacturing/Production
2 in each	Management, Patent Examination, Quality Assurance, Web Design/Development
1 in each	Non-Profit Administration, Systems Analysis, Teaching

## EMPLOYMENT BY JOB TYPE (with Engineering Breakdown)



## RANGE AND AVERAGE NUMBER OF JOB INTERVIEWS PER STUDENT

	Range	Average
On-Campus Recruiting (OCR) Interviews	1 – 30	7.6
Interviews Resulting from Career Services Leads (Career Day, Job Postings, PennLink)	1 – 10	2.6
Interviews on Their Own	1 – 15	3
All Interviews Combined	1 – 40	9

## RANGE AND AVERAGE NUMBER OF JOB OFFERS PER STUDENT

	Range	Average
On-Campus Recruiting Offers	1 – 10	2.5
Career Services Offers (Career Day, Email Postings, PennLink)	1 – 3	1.3
Offers from Sources other than OCR and Career Services	1 – 3	1.4
All Offers Combined	1 – 4	2.4

## AVERAGE SALARY BY YEAR

The average salary for graduates in full-time positions and those continuing current employment was \$66,875.

The range of salaries reported for 2007 was \$30,000 - \$90,000.

The average sign on bonus for graduates accepting full-time positions was \$8,741.

## LIST OF EMPLOYERS BY MAJOR

### Biotechnology

Barr Laboratories, Bala Cynwyd, PA; Senior Clinical Research Associate  
Childrens' Memorial Research Center, Lincoln Park, IL; Research Associate  
Cornerstone Research, New York, NY; Analyst  
Delcath Systems, Inc., New York, NY; Vice President  
GlaxoSmithKline, King of Prussia, PA; New Product Project Manager  
Leerink Swann Strategic Advisors, Boston, MA; Analyst  
McKinsey & Company, New York, NY; Business Analyst  
Merck & Company, West Point, PA; Senior Scientist  
Merck & Company, Rahway, NJ; Bioinformatics/Microarray Analyst  
Penn Center for Bioinformatics, Philadelphia, PA; Bioinformatics Software Engineer  
Rohm & Haas, Ambler, PA; Title Not Provided  
Two River Group Holdings, LLC, New York, NY; Title Not Provided  
United States Patent and Trademark Office, Alexandria, VA; Patent Examiner  
United States Patent and Trademark Office, Alexandria, VA; General Engineer  
University of Pennsylvania, Philadelphia, PA; Research Specialist  
University of Pennsylvania, Philadelphia, PA; Research Specialist  
University of Pennsylvania, Abramson Family Cancer Research Institute, Philadelphia, PA; MS  
Wilmington Friends School, Wilmington, DE; Fifth Grade Math Associate

### Chemical and Biomolecular Engineering

Hydro, Inc., Ovre Ardal, Norway; Graduate Trainee  
Parikh Enterprises Pvt. Ltd., India; Title Not Provided

### Computer and Information Science

BlackRock, New York, NY; Analyst  
Booz Allen Hamilton, VA; Consultant  
Goldman Sachs, New York, NY; Technology Analyst  
Lehman Brothers, New York, NY; Senior Analyst  
Lockheed Martin, Location Not Provided; Title Not Provided  
Lockheed Martin, Valley Forge, PA; Senior Software Engineer.  
Merrill Lynch, Jersey City, NJ; Technology Analyst  
Microsoft, Redmond, WA; Software Developer  
Microsoft, Seattle, WA; Software Design Engineer in Test  
Microsoft, Redmond, WA; Software Design Engineer in Test

### **Computer and Information Science (continued)**

Morgan Stanley, New York, NY; Technology Analyst  
Morgan Stanley, New York, NY; Software Engineer  
Morgan Stanley, New York, NY; Technology Analyst  
Natpal, New York, NY; Quantitative and Software Engineer  
Naviscan PET Systems Inc., Rockville, MD; Title Not Provided  
Penn Center for Bioinformatics, Philadelphia, PA; Senior Systems Programmer.  
PricewaterhouseCoopers, Detroit, MI; Associate  
Syncsort Inc., Woodcliff Lake, NJ; Associate Software Engineer  
ThoughtWorks Inc., Chicago, IL; Developer

### **Computer and Information Technology**

Bloomberg, New York, NY; Junior Programmer  
Merck & Company, Blue Bell, PA; Web Infrastructure and Development  
SAIC-Frederick, Frederick, MD; Senior Programmer Analyst  
Susquehanna International Group, Bala Cynwyd, PA; Software Development  
University of Pennsylvania, Philadelphia, PA; IT Project Leader

### **Computer Graphics & Game Technology**

Electronic Arts, Los Angeles, CA; Game Programmer  
Electronic Arts, Los Angeles, CA; Software Engineer  
Idol Minds, Louisville, CO; Game Programmer  
Lockheed Martin, King of Prussia, PA; Research Engineer  
Miracle Corners of the World, Inc., New York, NY; Director of Community  
Morgan Stanley, New York, NY; Software Developer  
Treyarch, Santa Monica, CA; Software Engineer  
Walt Disney Animation Studios, Burbank, CA; Software Engineer

### **Electrical Engineering**

AQR Capital Management, Greenwich, CT; Analyst  
Artann Laboratories, Trenton, NJ; Technology Development  
Deloitte & Touche LLP, New York, NY; Systems Analyst  
Deloitte Consulting LLP, Philadelphia, PA; Systems Analyst  
Garmin International, Olathe, KS; Aviation Software Engineer  
General Electric, Erie, PA; Operations Management Leadership Program  
Kulicke & Soffa Industries, Fort Washington, PA; Title Not Provided  
Marakon Associates, New York, NY; Associate Consultant  
MIT Lincoln Laboratory, Lexington, MA; Associate Technical Staff  
Sysmind LLC, Princeton, NJ; Programmer Analyst

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

Freshout LLC, Philadelphia, PA; Lead Developer  
Hospital of the University of Pennsylvania, Philadelphia, PA; Research Assistant  
Lockheed Martin, King of Prussia, PA; Title Not Provided  
Metrologic, Inc, Blackwood, NJ; Manufacturing Engineer

### **Materials Science & Engineering**

Dupont Taiwan, Taiwan; Application Engineer  
University of Alberta, Edmonton, Alberta, Canada; Post Doctoral Fellow

### **Systems Engineering**

Accenture, Atlanta, GA; Entry Level Analyst  
Coriell Institute for Medical Research, Camden, NJ; Project Manager  
Goldman Sachs, New York, NY; Analyst  
Korea Telecommunication; IT Strategist  
Lockheed Martin, Moorestown, NJ; Member of the Engineering Staff  
Lockheed Martin, Moorestown, NJ; Title Not Provided  
Lockheed Martin, Moorestown, NJ; Network Systems Engineer  
Lockheed Martin, Location Not Provided; Title Not Provided

### **Systems Engineering (continued)**

Lockheed Martin, King of Prussia, PA; Campus Recruiting Representative  
Lockheed Martin, Moorestown, NJ; MES  
Lockheed Martin, Littleton, CO; Systems Engineer  
Lockheed Martin, Location Not Provided; Title Not Provided  
Lockheed Martin, Location Not Provided; Title Not Provided  
Oliver Wyman, New York, NY; Consultant  
Oliver Wyman, New York, NY; Analyst  
University of Pennsylvania, Philadelphia, PA; IT Quality Assurance  
ZS Associates, Princeton, NJ; Title Not Provided

### **Telecommunications**

Cisco Systems, San Jose, CA; Software Engineer  
Lockheed Martin, Cherry Hill, NJ; Member Engineering Staff  
Susquehanna International Group, Bala Cynwyd, PA; Assistant Trader  
T-Mobile USA, Parsippany, NJ; Graduate Intern

## **SECTION 2 – ANALYSIS OF GRADUATE STUDY RESPONDENTS**

### **LIST OF GRADUATE PROGRAMS BY MAJOR**

#### **Biotechnology**

Duke University, NUS GMS, Medicine, MD  
University of Illinois at Chicago, Biological Sciences, PhD  
Pennsylvania State University/ Smeal College of Business, Entrepreneurship/Marketing, MBA

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

University of Pennsylvania, Chemical and Biomolecular Engineering, PhD (8)

#### **Computer and Information Science**

University of California-San Diego, Computer Science, PhD  
University of Pennsylvania, Linguistics, PhD  
University of Pennsylvania, Computer and Information Science, PhD (7)

#### **Electrical Engineering**

University of Pennsylvania, Electrical and Systems Engineering, PhD (4)

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

University of Pennsylvania, Mechanical Engineering and Applied Mechanics, PhD

#### **Materials Science Engineering**

University of Pennsylvania, Materials Science and Engineering, PhD (7)  
University of Pennsylvania-Wharton School, Accounting, PhD  
University of California- San Diego, Materials Science Engineering, PhD

#### **Systems Science and Engineering**

University of Pennsylvania, Electrical and Systems Engineering, PhD

#### **Telecommunications**

University of Pennsylvania, Computer Science and Information Technology, MS