

CAREER SERVICES

University of Pennsylvania

School of Engineering & Applied Science

Master of Science in Engineering

Career Plans Survey Report 2006

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 2005, May and August 2006. Information was gathered on one hundred sixteen (44.8%) of the two hundred fifty-nine Master's degree recipients. We do not survey graduates from the Executive Masters in Technology Management Program.

In terms of pursuits upon graduation, 45% of the respondents obtained full-time employment, 19% were continuing current employment, 24% entered graduate programs, 7% were seeking employment, 3% were still seeking graduate programs, 1% were self employed, and 1% indicated other pursuits. In all sections of this report, average salaries include respondents who were beginning full-time employment or were continuing current employment. The overall average starting salary for SEAS Master's respondents was \$65,341.

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Pursuits Upon Graduation

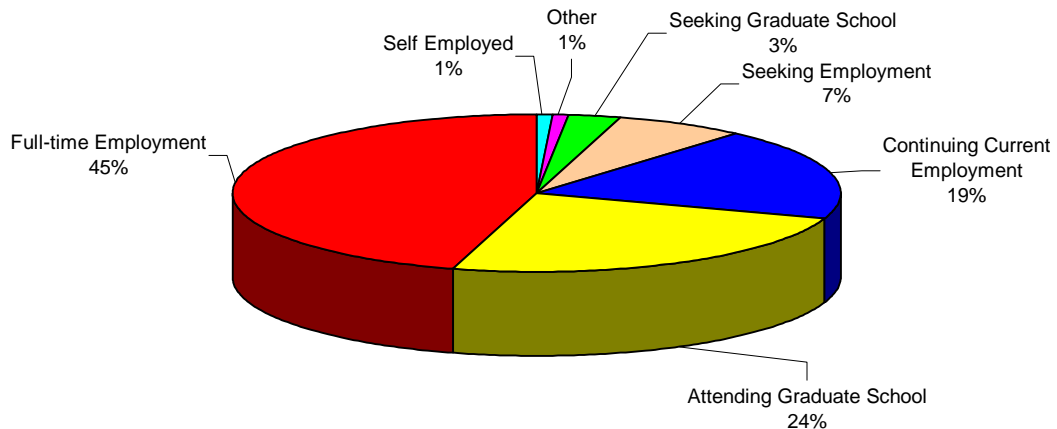


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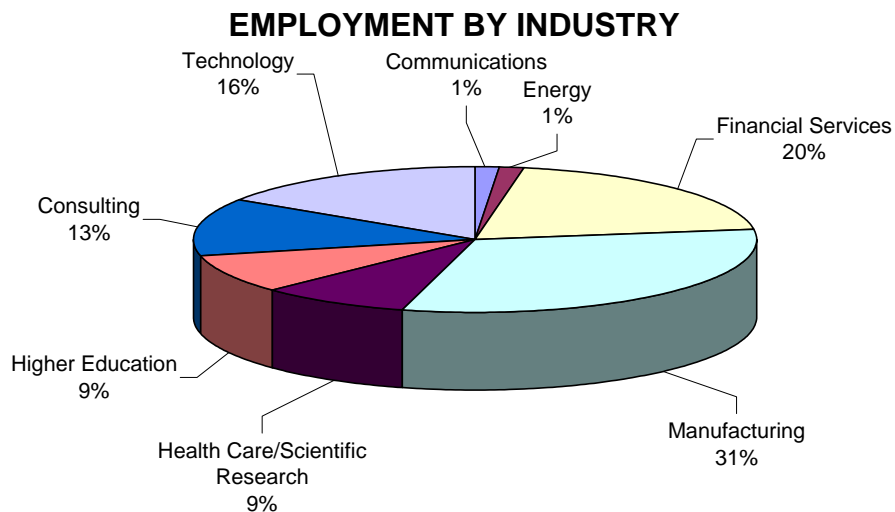
SECTION 1 – ANALYSIS OF EMPLOYED RESPONDENTS

GEOGRAPHIC DISTRIBUTION OF EMPLOYMENT

Area	Number	Percent
United States		
Midwest	1	1.5%
Northeast	3	4.3%
Northeast Corridor	54	78.4%
Northwest	3	4.3%
Southeast	3	4.3%
West	3	4.3%
Abroad	2	2.9%
TOTAL	69	100.0%

EMPLOYMENT BY INDUSTRY

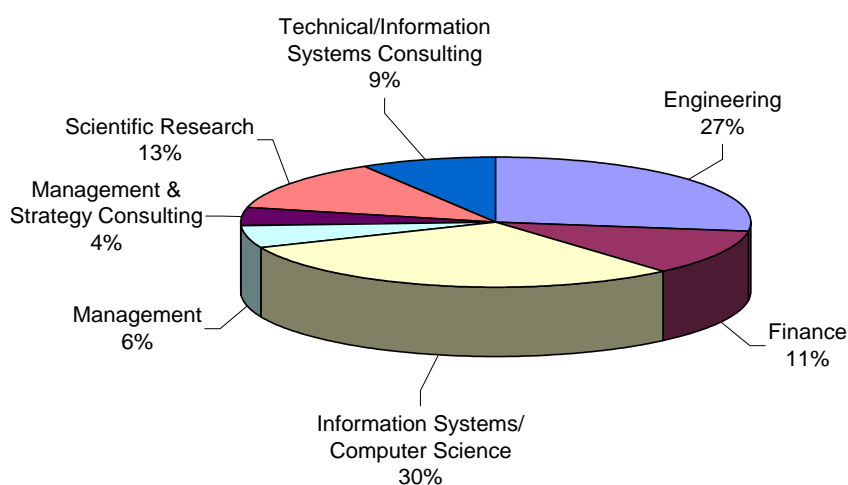
Number	Industry
14	Financial Services
10	Aerospace
9	Consulting
7	Software Products
6 in each	Health Care, Higher Education
4 in each	Biomedical Products, Pharmaceuticals
2 in each	Consumer Products, Online Information Provider
1 in each	Communication, E-Commerce, Electronics/Robotics, Energy, Manufacturing (thermal), Transportation



EMPLOYMENT BY JOB TYPE

Number	Job Type
14	Software Design & Development
9	Scientific Research
8	Financial Analysis
6 in each	Engineering Testing, Technical/Information Systems Consulting
4 in each	Engineering Design, Manufacturing/Production, Research and Development, Systems Analysis
3 in each	Management/Strategy Consulting, Applications Programming
2 in each	General Management, Operations Management
1	Project Management

EMPLOYMENT BY JOB TYPE



RANGE AND AVERAGE NUMBER OF JOB INTERVIEWS PER STUDENT

	Range	Average
On-Campus Recruiting (OCR) Interviews	2 – 15	7
Interviews Resulting from Career Services Leads (Career Day, Job Postings, PennLink)	1 – 2	1.3
Interviews on Their Own	1 – 4	2

RANGE AND AVERAGE NUMBER OF JOB OFFERS PER STUDENT

	Range	Average
On-Campus Recruiting Offers	1 – 3	1.5
Career Services Offers (Career Day, Email Postings, PennLink)	1 – 2	1.5
Offers from Sources other than OCR and Career Services	1	1
All Offers Combined	1 – 4	2.1

AVERAGE SALARY BY YEAR

The average salary for graduates in full-time positions and those continuing current employment was \$65,341. The range of salaries reported for 2006 was \$32,000 - \$123,000.

LIST OF EMPLOYERS BY MAJOR

Bioengineering

Goldman Sachs, London, Analyst
Goldman Sachs, New York, NY, Analyst

Biotechnology

Accenture, Philadelphia, PA, Analyst
Alfa Laval Biokinetics, Philadelphia, PA, Sr. Bioprocess Specialist
Applied Biosystems, Foster City, CA, System Test Engineer
Bain & Co., Los Angeles, CA, Consultant
Bogart Delafield Ferrier, LLC, Morristown, NJ, Analyst
Bristol-Myers Squibb Co., Pennington, NJ, Research Scientist I
Drexel University, Philadelphia, PA, Title not reported
Drexel University College of Medicine, Philadelphia, PA, Research Assistant
Goldman Sachs, New York, New York, NY, Analyst
Immune Control Inc., W. Conshohocken, PA, Director of Operations
Johnson & Johnson, Skillman, NJ, Scientist
Merck & Co., Inc., West Point, PA, Staff Biologist
Merck & Co., Inc., West Point, PA, Staff Biochemical Engineer
Novo Nordisk Inc., Princeton, NJ, Regulatory Associate
Pfizer Inc., New York, NY, Manager
The Wistar Institute, Philadelphia, PA, Research Assistant II
University of Pennsylvania, Philadelphia, PA, Research Specialist C
University of Pennsylvania, Philadelphia, PA, Biomedical Informatics Technician
University of Pennsylvania, Philadelphia, PA, Clinical Research Coordinator
University of Pennsylvania, Philadelphia, PA, Research Specialist
University of Pennsylvania, Philadelphia, PA, Lab Assistant

Chemical Engineering

L'Oreal USA, Clark, NJ, Junior Scientist

Computer and Information Science

Amazon.com, Seattle, WA, Software Design Engineer
Constellation Energy, Baltimore, MD, Analyst
Deloitte Consulting, New York, NY, Systems Analyst
Goldman Sachs, Jersey City, NJ, Technology Analyst
Goldman Sachs, New York, NY, Technology Analyst
Intellicom Inc., Philadelphia, PA, Software Developer
Lehman Brothers, New York, NY, Senior Analyst
Microsoft, Redmond, WA, Software Design Engineer in Test
Vantage Technologies, Newtown, PA, Senior Software Developer
Wachovia, Charlotte, NC, Analyst

Computer and Information Technology

Computer Associates (CA), Islandia, NY, Director of Solution Strategy
Facebook, Palo Alto, CA, Operations Tools Developer
LucidRisk, Stamford, CT, Associate
Microsoft, Redmond, WA, Software Design Engineer in Test
Microsoft, Iselin, NJ, Associate Consultant
PriceWaterhouseCoopers, New York, NY, Associate

EMPLOYERS REPORTED BY MAJOR (Con't)

Computer and Information Technology (Con't)

SeaChange International, Philadelphia, PA, Tester
University of Pennsylvania, Philadelphia, PA, Systems Programmer Senior
University of Pennsylvania, Philadelphia, PA, Title not reported
ZS Associates, Princeton, NJ, Business Information Specialist

Electrical Engineering

AQR Capital Management, Greenwich, CT, Analyst
ConEdison, New York, NY, Gold Associate
Cornerstone Quantitative Investment Group, Stamford, CT, Research Associate
Credit Suisse, Title not reported
Goldman Sachs, New York, NY, Analyst
GoldTier Technologies LLC, Mt. Laurel, NJ, Software Developer
Lockheed Martin, Moorestown, NJ, Member Engineering Staff
Lockheed Martin, King of Prussia, PA, Systems Engineer
Lockheed Martin, King of Prussia, PA, Engineer
ZS Associates, Princeton, NJ, Consultant

Mechanical Engineering and Applied Mechanics

Lockheed Martin, Moorestown, NJ, Engineer
Mainstream Engineering Corporation, Melbourne, FL, Mechanical Engineer

Systems Engineering

Alvarez and Marsal, New York, NY, Consultant
FedEx, Philadelphia, PA, Solutions Analyst/Consultant
L-3 Communications East, Camden, NJ, Engineer
Lockheed Martin, Rosslyn, VA, Engineer
Lockheed Martin, Moorestown, NJ, Systems Engineer
Lockheed Martin, Valley Forge, PA, Systems Engineer
Lockheed Martin, Valley Forge, PA, Systems Engineer
Lockheed Martin, Moorestown, NJ, Member Engineering Staff

Telecommunications

Capital IQ, New York, NY, Software Engineer
Citadel Investment Group, Chicago, IL, Title not reported
Comcast, Philadelphia, PA, Associate Engineer
Credit Suisse, Title not reported
University of Pennsylvania, Philadelphia, PA, Systems Programmer Senior
University of Pennsylvania, Philadelphia, PA, Sr. Systems Programmer

SECTION 2 – ANALYSIS OF GRADUATE STUDY RESPONDENTS

LIST OF GRADUATE PROGRAMS BY MAJOR

Bioengineering

University of Pennsylvania, Bioengineering, PhD

Biotechnology

Arcadia University, Master of Genetic Counseling, MS

MIT, Computational Biology, PhD

University of Pittsburgh, Bioengineering, PhD

University of Pennsylvania, Bioengineering, PhD

University of Toronto, Law, JD

Tulane University School of Medicine, MD

Washington University, Molecular Cell Biology, PhD

Chemical Engineering

University of Pennsylvania, Chemical and Biomolecular Engineering, PHD (3)

Computer and Information Systems

University of Pennsylvania, Computer and Information Science, PhD, (8)

Drexel University, Fashion Design, MS

Electrical Engineering

University of Pennsylvania, Electrical and Systems Engineering, PhD (3)

Materials Science Engineering

University of Pennsylvania, Materials Science Engineering, PHD

University of Wisconsin, Madison, Materials Science Engineering, PhD

Mechanical Engineering and Applied Mechanics

University of Pennsylvania, Mechanical Engineering and Applied Mechanics, PhD

University of Pennsylvania, Major and degree not reported

Systems Science and Engineering

University of Pennsylvania, Operations Research, PhD