School of Engineering & Applied Science

Undergraduate Class of 2018

Career Plans Survey Report

Sections

- Post-Graduation Plans
- Full-Time Employment
  - Job Offers
- Industry & Job Function
- Geography
- Salaries
- Salaries by Industry
- Salaries by Job Function
- Continuing Education
- First Destinations by Major

Methodology

Career Services at the University of Pennsylvania annually surveys graduating students to provide a snapshot of their post-graduation plans.

This report looks at School of Engineering & Applied Science undergraduates who received their degrees from August 2017–May 2018. Students were surveyed up to six months from their graduation date, with an 84% response rate. Additional information was then collected via LinkedIn and other sources, bringing the total knowledge rate up to 94%. Of the total 400 known outcomes, 89% came from online/phone surveys and 11% came from LinkedIn and other online sources.
2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE

Post-Graduation Plans

400 responses

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-Time Employment</td>
<td>56.5%</td>
</tr>
<tr>
<td>Continuing Education</td>
<td>37.5%</td>
</tr>
<tr>
<td>Seeking Employment</td>
<td>4.0%</td>
</tr>
<tr>
<td>Military</td>
<td>0.8%</td>
</tr>
<tr>
<td>Volunteering</td>
<td>0.5%</td>
</tr>
<tr>
<td>Not Seeking</td>
<td>0.3%</td>
</tr>
<tr>
<td>Part-Time Employment</td>
<td>0.3%</td>
</tr>
<tr>
<td>Seeking Continuing Education</td>
<td>0.3%</td>
</tr>
</tbody>
</table>

53% of Continuing Education were students who received their bachelors and masters degrees within the same reporting year.

Full-Time Employment

Top Employers
Microsoft (10)
Google, Inc. (8)
Deloitte (6)
Facebook (6)
Bridgewater Associates (5)
McKinsey & Company (5)
Amazon (4)

How They Got Their Offer
129 responses

<table>
<thead>
<tr>
<th>Source</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous Employer (Non-OCR)</td>
<td>23%</td>
</tr>
<tr>
<td>Previous Employer (through OCR)</td>
<td>21%</td>
</tr>
<tr>
<td>Applied Directly</td>
<td>16%</td>
</tr>
<tr>
<td>Penn Contacts</td>
<td>16%</td>
</tr>
<tr>
<td>On Campus Recruiting (OCR)</td>
<td>13%</td>
</tr>
<tr>
<td>Other Career Services Resources</td>
<td>5%</td>
</tr>
<tr>
<td>Non-Penn Contact</td>
<td>5%</td>
</tr>
<tr>
<td>Other</td>
<td>1%</td>
</tr>
</tbody>
</table>

When They Accepted Their Offer
153 responses

92% Received their offers before graduation

2017

2018

Before Sep  Sep-Oct  Nov-Dec  Jan-Feb  Mar-Apr  May-Jun  Jul-Aug  Sep or later

2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE

Post-Graduation Plans

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2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE

Full-Time Employment

Industry
179 responses
- Technology, 37%
- Financial Services, 20%
- Consulting, 17%
- Manufacturing, 12%
- Education, 2%
- Energy/Natural Resources/Utilities, 2%
- Government, 2%
- Retail/Wholesale, 2%
- Communications, 1%
- Healthcare, 1%
- Nonprofit, 1%
- Insurance, 0.5%
- Real Estate/Construction, 0.5%
- Telecommunications, 0.5%
- Transportation, 0.5%

Manufacturing
- Biomedical Products/Pharmaceuticals, 22%
- Aerospace, 22%
- Computer Products - Hardware, 15%
- Chemicals/Gases, 15%
- Automotive, 11%
- Other, 7%
- Consumer Products, 4%
- Electronics/Robotics, 4%

Job Function
179 responses
- Information Technology, 43%
- Engineering, 16%
- Consulting, 14%
- Finance, 11%
- Data Analytics, 8%
- Scientific Research, 2%
- Management, 2%
- Healthcare, 1%
- Communications, 0.5%
- Education, 0.5%
- Energy / Environment, 0.5%
- Nonprofit / Social Services, 0.5%

Engineering
- Research & Development, 34%
- Project Management, 17%
- Systems, 14%
- Design, 11%
- Quality Assurance, 11%
- Manufacturing/Production, 9%
- Testing, 3%
2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE

Full-Time Employment

Employers by State
188 responses

Internationally
6 students in 5 countries

Canada (2)
Germany
Ghana
Rwanda
United Kingdom

International Students
Of the 26 respondents working full-time who identified as “foreign nationals,” 24 (92%) were employed in the U.S.

U.S. Employers of Foreign Nationals
AAA Northern California, Nevada and Utah
Adobe Systems
Affirm, Inc.
Airbnb
Apple
Bank of America
BlackRock
Bridgewater Associates
Cadre
Citadel LLC

Deloitte
Dropbox
DRW
Facebook (3)
Fitbit
Google
Icarus RT, Inc.
McKinsey & Company (3)
SAP
Snap, Inc.
# Full-Time Employment

## Average Starting Salary

<table>
<thead>
<tr>
<th>Year</th>
<th>Respondents</th>
<th>Mean</th>
<th>Median</th>
<th>Range</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
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<tr>
<td>SEAS</td>
<td>140</td>
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<td>$90,000</td>
<td>$30,000</td>
<td>$135,000</td>
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<tr>
<td>SEAS Only</td>
<td>109</td>
<td>$90,112</td>
<td>$90,000</td>
<td>$30,000</td>
<td>$135,000</td>
<td></td>
<td></td>
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<tr>
<td>Women</td>
<td>46</td>
<td>$96,190</td>
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<td>$31,200</td>
<td>$135,000</td>
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<tr>
<td>Men</td>
<td>63</td>
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<td>$130,000</td>
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<tr>
<td>SEAS/CAS – Dual Degree</td>
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<td>-</td>
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<tr>
<td>Women</td>
<td>2</td>
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<td></td>
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<tr>
<td>Men</td>
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<td></td>
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<tr>
<td>SEAS/WH – Dual Degree</td>
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<tr>
<td>Women</td>
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<td>$92,833</td>
<td>$89,500</td>
<td>$73,000</td>
<td>$125,000</td>
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<tr>
<td>Men</td>
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<td>$135,000</td>
<td></td>
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</tr>
</tbody>
</table>

*Fewer than 3 reported salaries not published to maintain confidentiality.

## Salary by Industry

## Salary by Job Function
### Full-Time Employment

#### Salary by Industry

<table>
<thead>
<tr>
<th>Industry</th>
<th>Reporting</th>
<th>Average</th>
<th>Median</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
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<tr>
<td>Consulting</td>
<td>21</td>
<td>$76,857</td>
<td>$78,000</td>
<td>$65,000</td>
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<tr>
<td>Education</td>
<td>3</td>
<td>$38,667</td>
<td>$34,000</td>
<td>$32,000</td>
</tr>
<tr>
<td>Energy/Natural Resources/Utilities</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Financial Services</td>
<td>35</td>
<td>$101,586</td>
<td>$100,000</td>
<td>$65,000</td>
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<tr>
<td>Diversified Financial Services</td>
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<td>$102,875</td>
<td>$98,250</td>
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<tr>
<td>Hedge Fund</td>
<td>5</td>
<td>$105,800</td>
<td>$100,000</td>
<td>$85,000</td>
</tr>
<tr>
<td>Investment Banking / Brokerage</td>
<td>11</td>
<td>$87,273</td>
<td>$85,000</td>
<td>$65,000</td>
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<tr>
<td>Investment Management/Counsel</td>
<td>14</td>
<td>$111,786</td>
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<tr>
<td>Private Equity</td>
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<tr>
<td>Government</td>
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<tr>
<td>Healthcare</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insurance</td>
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<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Manufacturing</td>
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<td>$75,815</td>
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<td>$50,000</td>
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<tr>
<td>Aerospace</td>
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<td>$71,125</td>
<td>$70,750</td>
<td>$65,000</td>
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<tr>
<td>Automotive</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Biomedical Products/Pharmaceuticals</td>
<td>3</td>
<td>$61,667</td>
<td>$60,000</td>
<td>$50,000</td>
</tr>
<tr>
<td>Chemicals/Gases</td>
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<td>$71,384</td>
<td>$70,500</td>
<td>$64,000</td>
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<tr>
<td>Computer Products - Hardware</td>
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<tr>
<td>Other</td>
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<tr>
<td>Nonprofit</td>
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<tr>
<td>Retail/Wholesale</td>
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<td>-</td>
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</tr>
<tr>
<td>Technology</td>
<td>54</td>
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<td>$110,000</td>
<td>$31,200</td>
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<tr>
<td>Telecommunications</td>
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<td>-</td>
</tr>
<tr>
<td>Transportation</td>
<td>1</td>
<td>-</td>
<td>-</td>
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## Full-Time Employment

### Salary by Job Function

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<th>Median</th>
<th>Range</th>
</tr>
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<tr>
<td>Consulting</td>
<td>$76,237</td>
<td>$80,000</td>
<td>$40,000 - $97,500</td>
</tr>
<tr>
<td>Management/Strategy</td>
<td>$78,583</td>
<td>$80,000</td>
<td>$70,000 - $90,000</td>
</tr>
<tr>
<td>Technical/Information Systems</td>
<td>$72,214</td>
<td>$73,000</td>
<td>$40,000 - $97,500</td>
</tr>
<tr>
<td>Data Analytics</td>
<td>$90,620</td>
<td>$90,000</td>
<td>$31,200 - $135,000</td>
</tr>
<tr>
<td>Data Analyst</td>
<td>$90,620</td>
<td>$90,000</td>
<td>$31,200 - $135,000</td>
</tr>
<tr>
<td>Education</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Energy/Environment</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Engineering</td>
<td>$74,058</td>
<td>$75,000</td>
<td>$55,000 - $103,000</td>
</tr>
<tr>
<td>Design</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Manufacturing/Production</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Project Management</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Quality Assurance</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Research &amp; Development</td>
<td>$71,333</td>
<td>$70,000</td>
<td>$60,000 - $86,000</td>
</tr>
<tr>
<td>Systems</td>
<td>$68,333</td>
<td>$75,000</td>
<td>$55,000 - $75,000</td>
</tr>
<tr>
<td>Testing</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Finance</td>
<td>$98,000</td>
<td>$90,000</td>
<td>$65,000 - $130,000</td>
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<tr>
<td>Financial Planning &amp; Analysis (non-bnkg)</td>
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<tr>
<td>Investment Banking Analyst</td>
<td>$81,667</td>
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<td>$65,000 - $85,000</td>
</tr>
<tr>
<td>Investment Management/Counsel</td>
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<td>-</td>
</tr>
<tr>
<td>Private Equity Analyst</td>
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</tr>
<tr>
<td>Risk Management</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Securities Research Analyst</td>
<td>$114,000</td>
<td>$120,000</td>
<td>$100,000 - $125,000</td>
</tr>
<tr>
<td>Trading</td>
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<td>$130,000</td>
<td>$100,000 - $130,000</td>
</tr>
<tr>
<td>Healthcare</td>
<td>-</td>
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<tr>
<td>Information Technology</td>
<td>$106,923</td>
<td>$110,000</td>
<td>$50,000 - $135,000</td>
</tr>
<tr>
<td>Program Manager</td>
<td>$111,429</td>
<td>$109,000</td>
<td>$105,000 - $120,000</td>
</tr>
<tr>
<td>Software Developer/Engineer</td>
<td>$110,532</td>
<td>$110,000</td>
<td>$50,000 - $135,000</td>
</tr>
<tr>
<td>Systems Engineer/Analyst</td>
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</tr>
<tr>
<td>Technical Director</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Technology Analyst</td>
<td>$90,000</td>
<td>$85,000</td>
<td>$65,000 - $135,000</td>
</tr>
<tr>
<td>Management</td>
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<tr>
<td>Scientific Research</td>
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<td>$33,500</td>
<td>$32,000 - $68,000</td>
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<tr>
<td>Biomedical (other)</td>
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<td>$33,000</td>
<td>$32,000 - $34,000</td>
</tr>
<tr>
<td>Chemistry</td>
<td>-</td>
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2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE

Continuing Education

Graduate School
- 126 students enrolled in Masters programs at the University of Pennsylvania.
- Of those students, 63% completed their Bachelors and Masters degrees within the same school year (August 2017–May 2018).

Graduate Degree Programs

By Level
149 responses

- Masters: 86%
- Doctorate: 13%
- Post-Baccalaureate Studies: 1%

By Field
148 responses

- Engineering: 93%
- Medicine: 5%
- Law: 1%
- Business: 1%
- Design: 1%

University of Pennsylvania Engineering Majors
- Robotics, 20%
- Computer & Information Science, 15%
- Bioengineering, 11%
- Mechanical Engineering & Applied Mechanics, 7%
- Systems Engineering, 7%
- Computer Graphics & Game Technology, 4%
- Electrical Engineering, 4%
- Materials Science & Engineering, 4%
- Biotechnology, 3%
- Data Science, 2%
- Nanotechnology, 2%
- Chemical & Biomolecular Engineering, 1%
- Integrated Product Design, 1%
First Destinations by Major

Applied Science: Biomedical Science

Applied Science: Computational Biology*

Applied Science: Computer and Cognitive Science*

Applied Science: Computer Science

Bioengineering

Chemical and Biomolecular Engineering

Computer Engineering

Computer Science

Digital Media Design

Electrical Engineering

Materials Science and Engineering

Mechanical Engineering and Applied Mechanics

Networked and Social Systems Engineering

Systems Science and Engineering

*Fewer than 10 respondents not published to maintain confidentiality.
Continuing Education

17% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.

First Destinations: Graduate Schools
- Icahn School of Medicine at Mount Sinai, Doctorate, Medicine
- Mayo Clinic College of Medicine, Doctorate
- New York University, Doctorate, Law
- University of Cincinnati, Doctorate, Medicine
- University of Miami, Doctorate, Medicine
- University of Pennsylvania, Masters, Biotechnology

Program Fields
- Medicine, 67%
- Engineering, 17%
- Law, 17%

Program Levels
- Doctorate, 83%
- Masters, 17%

Employed Full-Time

First Destinations: Employers
- Accenture, Analyst
- Children’s Hospital of Philadelphia, Care Team Assistant
- ClearView Healthcare Partners, Analyst
- JPMorgan Chase & Co., Investment Banking Analyst - CMBS
- VA Palo Alto Health Care System, Clinical Research Coordinator

Industries
- Consulting, 40%
- Financial Services, 20%
- Government, 20%
- Healthcare, 20%

Volunteering

8.3%
**2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE**

**Applied Science: Computer Science**

36 responses

### Employed Full-Time

**First Destinations: Employers**

- Affirm, Inc., Software Engineer *
- Akin, Inc. Design & Innovation Consultancy, Software Engineer
- AQR Capital Management, Research Analyst +
- BlackRock, Software Engineer
- Bloomberg, Software Engineer
- Boston Consulting Group, Associate +
- Bridgewater Associates, Technology Associate
- Citizen, iOS Developer
- Cooper Hewitt, Smithsonian Design Museum, Software Developer *
- DRW, Trading Analyst +
- Facebook, Software Engineer (2) +
- Google, Software Engineer - YouTube Trust & Safety +
- Google, Software Engineer
- Instagram, Software Engineer *
- Jet.com, Category Specialist *
- Leif Technologies Inc., Software Engineer
- Lyft, Data Scientist +
- Morgan Stanley, Technology Investment Banking Analyst +
- Oliver Wyman, Consultant +
- Opendoor, Machine Learning Engineer
- Opendoor, Software Engineer +
- Palantir Technologies Inc., Forward Deployed Engineer +
- Pro Publica, Data Fellow, Google News Lab
- Uber, Associate Product Manager +
- viagogo, Full Stack Developer

* Double Major
+ Wharton Dual Degree

**Industries**

- Technology, 54%
- Financial Services, 19%
- Consulting, 12%
- Nonprofit, 8%
- Manufacturing, 4%
- Retail/Wholesale, 4%

50% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.

### Continuing Education

**First Destinations: Graduate Schools**

- Pennsylvania State University, Doctorate, Medical Scientist
- Toyota Technological Institute at Chicago, Doctorate, Computer Science
- University of California, Berkeley, Doctorate, Artificial Intelligence
- University of Pennsylvania, Masters, Computer & Information Science (3)
- University of Pennsylvania, Masters, Data Science
- University of Pennsylvania, Masters, Electrical Engineering

**Program Fields**

- Engineering, 88%
- Medicine, 13%

**Program Levels**

- Masters, 63%
- Doctorate, 38%
Bioengineering
43 responses

Continuing Education

First Destinations: Graduate Schools
- Imperial College London, Masters, Medical Device Design and Entrepreneurship
- Johns Hopkins University, Masters, Bioengineering
- University of Pennsylvania
- University of Pennsylvania, Masters, Bioengineering (15)
- University of Pennsylvania, Masters, Robotics (2)
- University of Pennsylvania, Masters, Systems Engineering
- University of Texas at Austin, Doctorate, Biomedical Engineering
- University of Western Ontario, Doctorate, Medicine
- Vanderbilt University, Doctorate, Medicine

Program Fields
- Engineering, 91%
- Medicine, 9%

Program Levels
- Masters, 87%
- Doctorate, 13%

Employed Full-Time

First Destinations: Employers
- Allevi, Inc., Customer Success
- Burgin Cosmetic and Reconstructive Surgery, Medical Assistant
- ClearView Healthcare Partners, Analyst
- Hereaus Medical, Intern
- Huron, Life Sciences Analyst
- J.P. Morgan, Sales and Trading Analyst *
- LUXTECH, LLC, Technical Sales Engineer
- Macquarie Capital, Analyst
- McKinsey & Company, Business Analyst *
- Oncora Medical, Machine Learning Fellow
- Putnam & Associates, Associate Consultant *
- University of Pennsylvania, Research Specialist

Industries
- Consulting, 33%
- Education, 20%
- Financial Services, 13%
- Manufacturing, 13%
- Healthcare, 7%
- Retail/Wholesale, 7%
- Technology, 7%

University of Pennsylvania, Research Specialist A
University of Pennsylvania - Perelman School of Medicine, Research Assistant
ZS Associates, Business Analyst

Seeking Employment

25% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.
Chemical and Biomolecular Engineering

33 responses

**Employed Full-Time**

**First Destinations: Employers**
- Chemours, Associate Investigator
- Clean Earth, Inc., Process Improvement Analyst
- Dalberg Advisors, Analyst
- Deloitte, Business Technology Analyst
- DuPont, Lab Assistant
- Eastern Research Group, Chemical Engineer
- EnergyGeeks, Solar Advisor
- Epic Systems Corporation, Technical Services
- Evonik Industries, International Rotational Engineer
- Huron, Analyst
- Johnson & Johnson, GOLD Associate
- McKinsey & Company, Business Analyst
- Merck
- Merck, Associate Scientist
- Microsoft, Program Manager
- Schlumberger, Drilling Fluids Engineer *
- The Dow Chemical Company, Process Engineer
- Urban Teachers, Teacher
- US NAVY, Nuclear Propulsion Prototype Instructor/Navy Nuclear Propulsion

* Double Major

**Industries**
- Manufacturing, 37%
- Consulting, 26%
- Energy/Natural Resources/Utilities, 16%
- Technology, 11%
- Education, 5%
- Government, 5%

**Part-Time Employment**

**Continuing Education**

**First Destinations: Graduate Schools**
- University of Pennsylvania, Masters, Bioengineering (2)
- University of Pennsylvania, Masters, Biotechnology (3)
- University of Pennsylvania, Masters, Chemical & Biomolecular Engineering (2)
- University of Pennsylvania, Masters, Materials Science & Engineering
- University of Pennsylvania, Masters, Systems Engineering (2)

70% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.

**Program Fields**

- Engineering, 100%

**Program Levels**

- Masters, 100%

**Seeking Employment**
2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE

Computer Engineering

16 responses

56.3% Employed Full-Time

First Destinations: Employers
Adobe Systems, Computer Scientist
Fitbit, Firmware Engineer
Insight Data Science, Data PM Fellow
Microsoft, Software Engineer
Palo Alto Networks, Product Manager
SAP, Technology Consultant
Squarespace, Software Engineer
Xilinx, System Validation Engineer

+ Wharton Dual Degree

Industries
Technology, 63%
Manufacturing, 25%
Education, 13%

31.3% Continuing Education

First Destinations: Graduate Schools
Purdue University, Doctorate, Electrical and Computer Engineering
University of Pennsylvania, Masters, Computer & Information Science (3)
University of Pennsylvania, Masters, Robotics

60% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.

Program Fields
Engineering, 100%

5 responses

Program Levels
Masters, 80%
Doctorate, 20%

12.5% Seeking Employment
2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE

Computer Science

83 responses

69.9% Employed Full-Time

First Destinations: Employers

Airbnb, Software Engineer *
Amazon, Software Development Engineer
Apple, Software Engineer +
AQR Capital Management, Research Analyst +
Bain & Company, Associate Consultant
Bain Capital, Investment Analyst +
Bank of America, Business Analyst
Barnegat Fund Management, Software Engineer *
BlackRock, Software Engineer
Box, Software Engineer
Bridgewater Associates, Technology Associate (2)
Capital One, Software Engineer
Capital One, TDP Associate
Citadel LLC, Software Engineer
Cloudflare, Software Engineer
D. E. Shaw & Co., Fundamental Investment Analyst +
Dropbox, Software Engineer
DRW, Quantitative Trader +
End-to-End Analytics, Associate Consultant
Facebook, Software Engineer
First Derivatives, Data Scientist
Five Rings Capital, Developer
Goldman Sachs, Risk Analyst +
Goldman Sachs, Software Engineer
Google, Software Engineer
Google, Software Engineer +
Google, Associate Product Manager +

Industries

<table>
<thead>
<tr>
<th>Industry</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>57%</td>
</tr>
<tr>
<td>Financial Services</td>
<td>33%</td>
</tr>
<tr>
<td>Consulting</td>
<td>7%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>3%</td>
</tr>
</tbody>
</table>

58 responses

Google, Software Engineer (3)
Google, Software Engineer *
JPMorgan Chase & Co., Technology Analyst
LinkedIn Corporation, Software Engineer
McKinsey & Company, Business Analyst
Microsoft, Program Manager *
Microsoft, Software Engineer (2)
Microsoft, Software Engineer *
Morgan Stanley, Technology Analyst
Oculus, Software Engineer
Opendoor, Software Engineer
Palantir Technologies, Software Engineer
PwC, Management Consultant +
Quora, Software Engineer
Zumper, Software Engineer

* Double Major
+ Wharton Dual Degree

26.5% Continuing Education

First Destinations: Graduate Schools

Stanford University, Doctorate, Computer Science
University of Pennsylvania, Masters, Bioengineering
University of Pennsylvania, Masters, Computer & Information Science (15)
University of Pennsylvania, Masters, Computer Graphics & Game Technology
University of Pennsylvania, Masters, Robotics (3)
University of Pennsylvania, Masters, Systems Engineering

Program Fields

Engineering, 100%

Program Levels

Masters, 95%
Doctorate, 5%

3.6% Seeking Employment

73% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.
2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE

Digital Media Design
15 responses

Employed Full-Time

73.3%

First Destinations: Employers

Amazon, Software Engineer
Apple, Software Engineering Intern
Cryptoeconomics.study, Hacker
DreamWorks Animation, Technical Director
Esri, Visualization Product Engineer
Gannett/USA TODAY Network, Associate Unity Developer
Google, Software Engineer
Google, Software Engineering Resident
Microsoft, Software
Oculus, Software Engineer
Walt Disney Imagineering, Imagineering R&D Advanced Creative Development Intern

Industries

11 responses

Technology, 64%
Communications, 27%
Manufacturing, 9%

Continuing Education

26.7%

First Destinations: Graduate Schools

University of Pennsylvania, Masters, Computer Graphics & Game Technology (4)

Program Fields

4 responses

Engineering, 100%

Program Levels

4 responses

Masters, 100%

75% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.
Electrical Engineering
22 responses

54.5% Continuing Education

First Destinations: Graduate Schools
- Carnegie Mellon University, Masters, Computer and Data Science
- University of Colorado at Boulder, Doctorate, Electrical Engineering
- University of Pennsylvania, Masters, Electrical Engineering (5)
- University of Pennsylvania, Masters, Nanotechnology
- University of Pennsylvania, Masters, Robotics
- University of Pennsylvania, Masters, Systems Engineering (3)

83% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.

Program Fields
- Engineering, 100%

Program Levels
- Masters, 92%
- Doctorate, 8%

40.9% Employed Full-Time

First Destinations: Employers
- AKF Group, Electrical Engineer, EIT
- Amazon, Hardware Engineer
- BlueCrest Capital Management, Credit Analyst
- Deloitte, Business Technology Analyst
- General Dynamics Mission Systems, Electrical Engineer
- Infinera, Product Test Engineer *
- ITG: Investment Technology Group, QA Automation Engineer
- Microsoft, Software Engineer *
- Susquehanna International Group, Assistant Trader

* Double Major

4.5% Seeking Employment

Industries
- Technology, 33%
- Consulting, 22%
- Financial Services, 22%
- Manufacturing, 11%
- Telecommunications, 11%
### Materials Science and Engineering

15 responses

#### Continuing Education

<table>
<thead>
<tr>
<th>73.3%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Destinations: Graduate Schools</strong></td>
</tr>
<tr>
<td>Architectural Association School of Architecture, Masters, Architecture</td>
</tr>
<tr>
<td>Columbia University, Doctorate, Materials Science &amp; Engineering</td>
</tr>
<tr>
<td>University of Massachusetts Amherst, Doctorate, Polymer Science &amp; Engineering</td>
</tr>
<tr>
<td>University of Minnesota, Doctorate, Materials Science &amp; Engineering</td>
</tr>
<tr>
<td>University of Pennsylvania, Masters, Materials Science &amp; Engineering (5)</td>
</tr>
<tr>
<td>University of Pennsylvania, Masters, Nanotechnology (2)</td>
</tr>
</tbody>
</table>

9% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.

<table>
<thead>
<tr>
<th>26.7%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Employed Full-Time</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>First Destinations: Employers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avisi Technologies, Co-Founder</td>
</tr>
<tr>
<td>Boeing, Engineer</td>
</tr>
<tr>
<td>NASA - Goddard Space Flight Center, Materials Engineer</td>
</tr>
<tr>
<td>W.L. Gore, Process Engineer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4 responses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Industries</strong></td>
</tr>
<tr>
<td>Manufacturing, 75%</td>
</tr>
<tr>
<td>Government, 25%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11 responses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Program Levels</strong></td>
</tr>
<tr>
<td>Masters, 73%</td>
</tr>
<tr>
<td>Doctorate, 27%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11 responses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Program Fields</strong></td>
</tr>
<tr>
<td>Engineering, 91%</td>
</tr>
<tr>
<td>Design, 9%</td>
</tr>
</tbody>
</table>
Continuing Education

First Destinations: Graduate Schools

- Cornell University, Doctorate, Mechanical Engineering
- Fordham Law, Doctorate, Law
- University of Pennsylvania, Masters, Computer Graphics & Game Technology
- University of Pennsylvania, Masters, Integrated Product Design (2)
- University of Pennsylvania, Masters, Mechanical Engineering & Applied Mechanics (11)
- University of Pennsylvania, Masters, Robotics (26)

60% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.

Program Fields

- Engineering, 98%
- Law, 2%

Program Levels

- Masters, 95%
- Doctorate, 5%

Employed Full-Time

First Destinations: Employers

- Accenture, Strategy Analyst
- APT, Quality Assurance Engineer
- Beanstalk, Inc., Automation Engineer
- Brahman Capital Management, Quantitative Analyst
- Cocoa360, Development Fellow
- Counterpoint Consulting, Inc., Associate Software Consultant
- Credit Suisse, Investment Banking Analyst
- Deloitte, Business Technology Analyst
- EnterSolar, LLC, Junior Project Engineer
- Fast Radius, Application Engineer
- GE Aviation, Manufacturing Engineer
- GE Healthcare, Operations Management Leadership Program - Digital Initiatives Leader
- Icarus RT, Inc., Mechanical Engineering Intern
- Insight Venture Partners, Investment Analyst
- Intel Corporation, Drone Flight Control Intern
- Kx Systems, Data Scientist
- McKinsey & Company, Business Analyst (2)
- Mochila Fulfillment, Mechanical Engineer
- Northrop Grumman Corporation, Professional Development Program
- NorthShore University HealthSystem, Surgical Simulation Lab Technician
- P2S, Inc., Plumbing Design Engineer
- Picatinny Arsenal, Mechanical Engineer
- SpaceX, Associate Engineer, Dragon 2 Life Support Systems
- Tesla, NVH and Service Manufacturing Engineer
- Tesla, Analyst, Business Operations
- Wayfair, Sales Operations Analyst
- Woveon, CEO/Co-Founder

Industries

- Manufacturing, 25%
- Consulting, 21%
- Technology, 18%
- Financial Services, 11%
- Energy/Natural Resources/Utilities, 7%
- Government, 4%
- Healthcare, 4%
- Nonprofit, 4%
- Real Estate/Construction, 4%
- Transportation, 4%

Seeking Employment

- Military, Not Seeking
- Volunteering

54.5%

5.2%

1.3%
## Employed Full-Time

**First Destinations: Employers**
- BlackRock, Analyst *
- Bloomberg, Software Engineer
- Bridgewater Associates, Investment Engineer
- Facebook, Data Scientist *
- Facebook, Software Engineer (2)
- Goldman Sachs, Securities Strategist Analyst
- IPVM, Software Engineer
- Lyft, Data Scientist
- Microsoft, Software Engineer
- Robinhood, Backend Engineer

* Double Major
+ Wharton Dual Degree

## Continuing Education

**First Destinations: Graduate Schools**
- The Hebrew University of Jerusalem, Doctorate, Cryptocurrencies, Game Theory and Learning
- University of Pennsylvania, Masters, Computer & Information Science
- University of Pennsylvania, Masters, Data Science (2)

## Industries

<table>
<thead>
<tr>
<th>Industry</th>
<th>% of Continuing Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>64%</td>
</tr>
<tr>
<td>Financial Services</td>
<td>36%</td>
</tr>
</tbody>
</table>

## Program Fields

<table>
<thead>
<tr>
<th>Program Field</th>
<th>% of Continuing Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td>75%</td>
</tr>
<tr>
<td>Business</td>
<td>25%</td>
</tr>
</tbody>
</table>

## Program Levels

<table>
<thead>
<tr>
<th>Program Level</th>
<th>% of Continuing Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Masters</td>
<td>75%</td>
</tr>
<tr>
<td>Doctorate</td>
<td>25%</td>
</tr>
</tbody>
</table>
2018 SCHOOL OF ENGINEERING & APPLIED SCIENCE
Systems Science and Engineering
36 responses

### Employed Full-Time

**First Destinations: Employers**
- AAA Northern California, Nevada and Utah, Management Trainee Program
- Accenture, Consulting Analyst
- Amazon, Business Analyst
- Applied Predictive Technologies, Business Consultant
- Applied Predictive Technologies, Product Manager
- AQR Capital Management, Analyst
- Bank of New York Mellon (BNY Mellon), Emerging Leaders Program Analyst
- Bridgewater Associates, Investment Engineer
- Cadre, Investment Analyst
- Crestview Partners, Analyst
- Deloitte, Business Technology Analyst (2)
- Deloitte, Data Scientist Consultant
- DRW, Quantitative Trading Analyst
- End-to-End Analytics, Associate
- Incentive Technology Group (ITG), Data Analyst
- McKinsey & Company, Business Analyst
- Microsoft, Program Manager
- Microsoft, Program Manager
- Morgan Stanley, Business Analyst
- Oliver Wyman, Consultant
- PwC, Analytics Associate
- Raytheon Integrated Data Systems, Electrical Engineer
- Stitch Fix, Operations Algorithm Data Scientist
- Urban Outfitters, Data Scientist
- Walmart eCommerce, Category Specialist

### Industries

<table>
<thead>
<tr>
<th>Industry</th>
<th>27 responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consulting</td>
<td>37%</td>
</tr>
<tr>
<td>Financial Services</td>
<td>26%</td>
</tr>
<tr>
<td>Technology</td>
<td>22%</td>
</tr>
<tr>
<td>Retail/Wholesale</td>
<td>7%</td>
</tr>
<tr>
<td>Insurance</td>
<td>4%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>4%</td>
</tr>
</tbody>
</table>

* Double Major
+ Wharton Dual Degree

60% of Continuing Education were students who received both their bachelors and masters degrees within the same reporting year.

### Continuing Education

**First Destinations: Graduate Schools**
- University of Pennsylvania, Post-Baccalaureate Studies
- University of Pennsylvania, Masters, Systems Engineering (4)

### Program Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>4 responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Program Levels

<table>
<thead>
<tr>
<th>Level</th>
<th>5 responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Masters</td>
<td>80%</td>
</tr>
<tr>
<td>Post-Baccalaureate</td>
<td>20%</td>
</tr>
</tbody>
</table>