Overview
Each year Career Services surveys the School of Engineering & Applied Science (SEAS) graduating class to gather information about their post-graduation plans. This report summarizes the responses from August and December 2015, May 2016 Bachelor of Science in Engineering (BSE) and Bachelor of Applied Science (BAS) degree recipients. The school awarded 405 undergraduate degrees. Career Services received 361 responses, representing an 89.1% response rate.

At the time of the survey, there was a 7% increase over last year in the number of students pursuing full-time graduate study, while the number of students accepting full-time employment decreased slightly, by 2%. As in the previous year, 2% of the students indicated they were seeking employment and 1% were seeking graduate school admission. Consulting, Financial Services, and Manufacturing are by far the most represented industries, at 30, 29, and 27% representation, respectively. Another 7% of full-time employed students entered government work.

The overall average salary of the employed respondents rose by 5.7% to $87,571 and 114 students reported receiving a sign-on bonus. As expected, engineers have the highest reported average starting salary of all Bachelor’s level students at Penn and a higher average salary than the national average for engineers. The average salary of Penn Engineering majors (not including computer science related) was $79,697 compared to the national average of $66,121. Graduates in computer related majors at Penn averaged $101,267 compared to the national average of $71,534 for graduates with computer related degrees. The national averages are provided by the National Association of Colleges and Employers, NACE Salary Survey, Fall 2016 Executive Summary.

Of the 181 students reporting the date they received their job offer, 97% of them had their full-time positions by graduation. Full-time employed engineers had an average of two job offers, and 57% accepted positions in the Mid-Atlantic or Northeast regions, the same as last year. The leading areas of study for students going to graduate school were 72% in engineering and 19% in medicine.

Rosette Pyne, Senior Associate Director
Mike Klein, Graduate Assistant
January 2017
METHODOLOGY

Engineering students graduating with either a BAS or BSE degree in August 2015, December 2015 and May 2016 responded to several email requests to complete the Career Plans Survey online between April and November 2016. The SEAS Academic Programs Office sent an email to the graduating students asking them to complete the survey as part of the graduation process. In November, a friendly request (email and phone) was made to students who had not responded to earlier requests or who had previously indicated they were still seeking employment or graduate school admission. A search of LinkedIn was accessed to find or identify any updated information from those who had not responded to all requests, and this information was used, if subsequent follow-up was verified by the graduates or the department. Department Coordinators were contacted to acquire post-graduate data on all the remaining non-respondents.

SECTION 1 – PURSUITS

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<tr>
<th>Plan</th>
<th>Responses</th>
<th>2015-2016 %</th>
<th>2014-2015 %</th>
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<tr>
<td>Full-Time Employment</td>
<td>275</td>
<td>76</td>
<td>78</td>
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<tr>
<td>Attending Full-Time Graduate School</td>
<td>74</td>
<td>21</td>
<td>14</td>
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<tr>
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<tr>
<td>Seeking Graduate School Admission</td>
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<tr>
<td>Other</td>
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<tr>
<td>Not Seeking</td>
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<td>&lt;1</td>
<td>1</td>
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<tr>
<td>TOTAL</td>
<td>361</td>
<td>100.0%</td>
<td>100%</td>
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SECTION 2 - ANALYSIS OF EMPLOYED RESPONDENTS

<table>
<thead>
<tr>
<th>Number Accepted</th>
<th>Organization</th>
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<tbody>
<tr>
<td>18</td>
<td>Google</td>
</tr>
<tr>
<td>8</td>
<td>Microsoft</td>
</tr>
<tr>
<td>7</td>
<td>Deloitte, Palantir Technologies, PricewaterhouseCoopers</td>
</tr>
<tr>
<td>6</td>
<td>Goldman Sachs</td>
</tr>
<tr>
<td>5</td>
<td>Bloomberg, Amazon</td>
</tr>
<tr>
<td>4</td>
<td>McKinsey &amp; Company, Boston Consulting Group</td>
</tr>
<tr>
<td>3</td>
<td>Airbnb, Bain &amp; Company, Citadel, Dow Chemical, Ernst &amp; Young, Fulbright Program, IBM, MongoDB, Oliver Wyman</td>
</tr>
<tr>
<td>2</td>
<td>Bank of America, Capital One, Epic, Facebook, Halma plc, JP Morgan, Moelis &amp; Co, Morgan Stanley, Naval Surface Warfare Center, Two Sigma</td>
</tr>
<tr>
<td>1</td>
<td>Selected Organizations: AT&amp;T, Boeing, Consolidated Edison, Dreamworks Animation, ExxonMobil, Ford Motor Co., General Motors, GlaxoSmithKline, Holtec Int’l., Honeywell, L’Oreal, Merck, Nike, Pixar, SpaceX</td>
</tr>
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Geographic Distribution of Jobs

<table>
<thead>
<tr>
<th>Area</th>
<th>Number</th>
<th>Percent %</th>
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<tbody>
<tr>
<td>United States</td>
<td>17</td>
<td>6</td>
</tr>
<tr>
<td>Northeast</td>
<td>141</td>
<td>52</td>
</tr>
<tr>
<td>Mid-Atlantic</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>Southeast</td>
<td>15</td>
<td>5</td>
</tr>
<tr>
<td>Midwest</td>
<td>1</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Southwest</td>
<td>62</td>
<td>23</td>
</tr>
<tr>
<td>West</td>
<td>15</td>
<td>5</td>
</tr>
<tr>
<td>Northwest</td>
<td>11</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>272</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

13% of students received the job offer they accepted before returning for their Senior year
97% received their job offer by Graduation*

*181 reporting
On-Campus Recruiting Interview Activity
Total Number of Employers: 334
Total Number of Scheduled Interviews: 8,910

Range and Average Number of First Round Interviews per Employed Student

<table>
<thead>
<tr>
<th></th>
<th>Range</th>
<th>Average</th>
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<tbody>
<tr>
<td>All First Round Interviews</td>
<td>1 - 47</td>
<td>7.1</td>
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Range and Average Number of Job Offers Received Per Student

<table>
<thead>
<tr>
<th></th>
<th>Range</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Job Offers</td>
<td>1 - 10</td>
<td>2.2</td>
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How Full-time Employed Respondents Received Their Job Offer

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>On-Campus Recruiting (OCR)</td>
<td>29.4%</td>
</tr>
<tr>
<td>Previous OCR Employer (summer internship obtained through OCR, resulting in full-time offer)</td>
<td>17.2%</td>
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<tr>
<td>Applied Directly to Organization</td>
<td>14.2%</td>
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<tr>
<td>Other Career Services Leads (career fairs, job postings, meet &amp; greet events, programs)</td>
<td>13.2%</td>
</tr>
<tr>
<td>Previous non-OCR Employer (summer internship not obtained through OCR, resulting in full-time offer)</td>
<td>10.2%</td>
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<tr>
<td>Contacts</td>
<td>10.2%</td>
</tr>
<tr>
<td>Other</td>
<td>4.1%</td>
</tr>
<tr>
<td>Department</td>
<td>1.5%</td>
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</table>

Average Starting Salary

64% of the employed students reported their salaries
The salary range for 2016 was $34,000 - $150,000, with the average being $87,571
Average Bonus Figure

Sign-on Bonus: $12,202 (based on 114 responses). Range for sign-on bonus was $2,000 - $90,000
Annual Bonus: 88 graduates reported that they expect to receive an annual bonus

Average Salary by Major and School

<table>
<thead>
<tr>
<th>Major</th>
<th>Surveys with Salaries</th>
<th>Average Salary</th>
<th>Range</th>
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</thead>
<tbody>
<tr>
<td>Applied Science</td>
<td></td>
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<tr>
<td>Biomedical Science</td>
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<td>*</td>
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<tr>
<td>Computer Science</td>
<td>16</td>
<td>$92,361</td>
<td>$45,000 - $150,000</td>
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<td>Bioengineering</td>
<td>13</td>
<td>$69,577</td>
<td>$34,000 - $100,000</td>
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<tr>
<td>Chemical and Biomolecular Engineering</td>
<td>12</td>
<td>$69,923</td>
<td>$59,500 - $75,072</td>
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<tr>
<td>Computer Engineering</td>
<td>6</td>
<td>$94,000</td>
<td>$64,000 - $125,000</td>
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<tr>
<td>Computer Science</td>
<td>52</td>
<td>$104,846</td>
<td>$50,000 - $150,000</td>
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<tr>
<td>Digital Media Design</td>
<td>8</td>
<td>$94,406</td>
<td>$52,000 - $120,750</td>
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<tr>
<td>Electrical Engineering</td>
<td>5</td>
<td>$80,279</td>
<td>$75,000 - $85,000</td>
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<tr>
<td>Materials Science and Engineering</td>
<td>11</td>
<td>$76,318</td>
<td>$62,000 - $95,000</td>
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<td>Mechanical Engineering and Applied Mechanics</td>
<td>31</td>
<td>$73,598</td>
<td>$43,000 - $110,000</td>
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<tr>
<td>Networked and Social Systems Engineering</td>
<td>5</td>
<td>$101,200</td>
<td>$80,000 - $110,000</td>
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<tr>
<td>Systems Science and Engineering</td>
<td>17</td>
<td>$79,941</td>
<td>$60,000 - $100,000</td>
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<tr>
<td>Grand Total</td>
<td>177</td>
<td>$87,571</td>
<td>$34,000 - $150,000</td>
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<table>
<thead>
<tr>
<th>Schools</th>
<th>Surveys with Salaries</th>
<th>Average Salary</th>
<th>Range</th>
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<tr>
<td>SEAS Only</td>
<td>112</td>
<td>$86,118</td>
<td>$34,000 - $150,000</td>
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<td>SEAS/CAS – Dual Degree</td>
<td>5</td>
<td>$77,756</td>
<td>$45,000 - $105,780</td>
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<td>SEAS/SEAS – Dual Degree</td>
<td>21</td>
<td>$91,667</td>
<td>$60,000 - $130,000</td>
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<tr>
<td>SEAS/WH – Dual Degree</td>
<td>39</td>
<td>$90,795</td>
<td>$60,000 - $150,000</td>
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*Salary/Salaries not reported to maintain confidentiality, where there are three or fewer responses

Average Salary by Gender

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<th>School</th>
<th>Surveys with Salaries</th>
<th>Average Salary</th>
<th>Range</th>
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<td>SEAS Only</td>
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<td>Female</td>
<td>41</td>
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<td>Male</td>
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<tr>
<td>SEAS/CAS - Dual Degree</td>
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<td>Female</td>
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<td>Male</td>
<td>4</td>
<td>$78,445</td>
<td>$45,000 - $105,780</td>
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<tr>
<td>SEAS/SEAS - Dual Degree</td>
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<td>Female</td>
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<td>$81,125</td>
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<td>Male</td>
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<td>SEAS/WH - Dual Degree</td>
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<tr>
<td>Female</td>
<td>14</td>
<td>$86,143</td>
<td>$70,000 - $106,000</td>
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<td>Male</td>
<td>24</td>
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<td>$60,000 - $150,000</td>
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<td>Job Type</td>
<td>Surveys with Salaries</td>
<td>Average Salary</td>
<td>Range</td>
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<td>--------------------------------</td>
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<tr>
<td><strong>Consulting</strong></td>
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<td>Technology / Information Systems</td>
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<td>$75,773</td>
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<tr>
<td>Construction</td>
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<tr>
<td>Design</td>
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<td>$69,887</td>
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<td>Research &amp; Development</td>
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<td>$76,733</td>
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<td>Project Management</td>
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<tr>
<td>Investment Management/Counsel</td>
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<tr>
<td>Private Equity</td>
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<td>Securities Research</td>
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<td>$75,000 - $100,000</td>
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<td>$90,556</td>
<td>$80,000 - $120,000</td>
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<td>Product Designer</td>
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<td><strong>Management/Administration</strong></td>
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<td>General Management</td>
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<tr>
<td>Entrepreneur / Founder</td>
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<td><strong>Marketing</strong></td>
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<tr>
<td>Product / Brand Management</td>
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</tr>
<tr>
<td>Marketing Analysis / Research</td>
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<td><strong>Non-Profit</strong></td>
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<td>Program Planning</td>
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<td><strong>Scientific Research</strong></td>
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<td>Biomedical</td>
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*Salary/Salaries not reported to maintain confidentiality, where there are three or fewer responses
### Average Salary by Industry

<table>
<thead>
<tr>
<th>Industry</th>
<th>Surveys with Salaries</th>
<th>Average Salary</th>
<th>Range</th>
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</thead>
<tbody>
<tr>
<td>Communications</td>
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<td></td>
<td></td>
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<tr>
<td>Media/Entertainment</td>
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<td>*</td>
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<tr>
<td>Consulting</td>
<td>35</td>
<td>$74,257</td>
<td>$53,000 - $105,000</td>
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<td>Education</td>
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<tr>
<td>For Profit Education</td>
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<td>*</td>
</tr>
<tr>
<td>Energy / Natural Resources / Utilities</td>
<td>4</td>
<td>$60,250</td>
<td>$55,000 - $64,000</td>
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<tr>
<td>Financial Services</td>
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<td></td>
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<tr>
<td>Diversified Financial Services (including Commercial/Retail Banking)</td>
<td>4</td>
<td>$71,000</td>
<td>$64,000 - $75,000</td>
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<td>Hedge Fund</td>
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<td>$116,667</td>
<td>$85,000 - $150,000</td>
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<td>Investment Banking/Brokerage</td>
<td>14</td>
<td>$86,429</td>
<td>$80,000 - $100,000</td>
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<td>Investment Management/Counsel</td>
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<td>*</td>
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<tr>
<td>Private Equity</td>
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<td>$85,000 - $150,000</td>
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<td>Information Technology</td>
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<td>Chemicals/Gases</td>
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<td>*</td>
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<tr>
<td>Aerospace</td>
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<td>Automotive</td>
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<td>Electronics / Robotics</td>
<td>6</td>
<td>$79,333</td>
<td>$68,000 - $100,000</td>
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<tr>
<td>Consumer Products</td>
<td>6</td>
<td>$66,167</td>
<td>$60,000 - $75,000</td>
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<tr>
<td>Biomedical Products/Pharmaceuticals</td>
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<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
<td>*</td>
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<td>Non-Profit</td>
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<td>Public Interest/Advocacy</td>
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<td>Social Services</td>
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<tr>
<td>Real Estate / Construction</td>
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<tr>
<td>Design</td>
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<td>*</td>
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<td>Transportation</td>
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<tr>
<td>Technology</td>
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<td>$103,762</td>
<td>$45,000 - $130,000</td>
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<td>Telecommunications</td>
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</tbody>
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*Salary/Salaries not reported to maintain confidentiality, where there are three or fewer responses*
All Employed Respondents by Job Type
(with Engineering Breakdown)

- Information Technology: 39%
- Engineering: 19%
- Management / Administration: 3%
- Consulting: 17%
- Data Science: 4%
- Energy / Environment: 1%
- Scientific Research: 1%
- Marketing: 2%
- Other: 2%
- Government: 1%
- Finance: 10%
- Information Technology: 39%
- Law: 1%
- Management / Administration: 3%
- Consulting: 17%
- Data Science: 4%
- Energy / Environment: 1%
- Scientific Research: 1%
- Marketing: 2%
- Other: 2%
- Government: 1%
- Finance: 10%
- Information Technology: 39%
- Law: 1%
- Management / Administration: 3%
- Consulting: 17%
- Data Science: 4%
- Energy / Environment: 1%
- Scientific Research: 1%
- Marketing: 2%
- Other: 2%
- Government: 1%
- Finance: 10%
All Employed Respondents by Industry
(with Manufacturing Breakdown)

- Technology: 33%
- Manufacturing: 16%
- Consumer Products: 17%
- Electronics / Robotics: 29%
- Aerospace: 20%
- Computer Products - hardware: 3%
- Automotive: 6%
- Biomedical Products/Pharmaceuticals: 17%
- Chemicals/Gases: 8%
- Consulting: 18%
- Education: 1%
- Energy / Natural Resources / Utilities: 2%
- Financial Services: 17%
- Government: 4%
- Real Estate / Construction: 2%
- Design: 1%
- Other: 3%
Employers Reported by Major

ENGINEERING SINGLE DEGREES

**Applied Science - Computer Science**
Airbnb, San Francisco, CA, Software Engineer
Google, Mountain View, CA, Software Engineer
Blackstone, New York, NY, Full Stack Software Developer
Class Tracks, Philadelphia, PA, UX/UI Designer
Goldman Sachs, New York, NY, Analyst
Nielsen, New York, NY, Data Science Analyst
Strava, San Francisco, CA, Software Engineer

**Bioengineering**
AlphalImpactRx, Philadelphia, PA, Analyst
Boston Children’s Hospital, Boston, MA, Research Assistant
Brookhaven, Upton, NY, Research Assistant
Deloitte, Philadelphia, PA, Business Technology
DiaAssess, Inc., Emeryville, CA, Business Development
Fulbright, Chengdu, China
Fulbright, Mumbai, India, U.S. Research Student
Ghost, Philadelphia, PA, Research Consultant
Halma plc, Amersham, UK
Halma plc, London, UK, Halma Graduate Development Programme Trainee
IBM, New York, NY, Software Engineer
ICON, North Wales, PA, Analyst
Laurence, Livermore, CA, Post College Appointee
PwC, New York, NY, Associate
Radiate, Malvern, PA, Software Engineer
Saama Capital, Bangalore, India, Investment Analyst
Strategic Research Insights, Princeton, NJ, Associate Manager – Market Research
Vida Identity, New York, NY, Software Developer

**Chemical and Biomolecular Engineering**
Alfaro, Davila y Rios, Monterrey, Mexico, Analyst
Argus, New York, NY, Associate
Dickinson, Troy, MI, Intellectual Property Intern
Dow Chemical, Newark, DE, Production Engineer
Dow Chemical, Newark, DE, Run Plant Engineer
Dow Chemical, Marlborough, MA, Production Engineer
Epic, Verona, WI, Integration Engineer
GE Capital, Stamford, CT, Investment Analyst
GlaxoSmithKline, Philadelphia, PA, Future Leaders Program
Gro, New York, NY, Research Analyst
Kraft Heinz, Chicago, IL, Corporate Management Trainee
L’Oreal, Clark, NJ, Purchaser (Management Rotation Program)
McAdam, Anaheim, CA, R&D Process Engineer
Merlin Solar, Mountain View, CA, Process Engineer
Nalas, Centerbrook, CT, Chemical Engineer
Nike, Portland, OR, Global Procurement Analyst
PwC, New York, NY, Associate
PwC, New York, NY, Management Consulting Associate
WSP/Parsons, Washington, D.C., Associate Consultant

**Computer Engineering**
Amazon, Seattle, WA, Software Development Engineer
Comcast, Philadelphia, PA, CORE Technology Associate
Microsoft, Seattle, WA, Engineer
Spot Trading, Chicago, IL, Software Developer
Two Sigma, New York, NY, Software Engineer

**Computer Science**
Airbnb, San Francisco, CA, Software Engineer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Software Development Engineer
Apple, Cupertino, CA, Software Developer
Asana, San Francisco, CA, Software Engineer
AT&T, Middletown, NJ, Associate Applications Developer
Bank of America Merrill Lynch, Rochester, NY, Analyst
Bloomberg, New York, NY, Software Developer
Bloomberg, New York, NY, Software Engineer
Bloomberg, New York, NY, Software Engineer
Bloomberg, New York, NY, Software Engineer
Bridgewater, Westport, CT, Technology Associate
Digitech, Briarcliff, NY, Junior Software Engineer
Ernst & Young, New York, NY, Technology Consultant
GameChanger, New York, NY
Goldman Sachs, New York, NY, Technology Analyst
Goldman Sachs, New York, NY, Technology Analyst
Goldman Sachs, New York, NY, Technology Analyst
Goldman Sachs, New York, NY, Technology Analyst
Google, Mountain View, CA, Software Engineer
Google, New York, NY, Software Developer
Google, New York, NY, Software Engineer
Google, New York, NY, Software Engineer
Google, New York, NY, Software Engineer
Google, New York, NY, Software Engineer
Google, San Bruno, CA, Software Engineer
Google, San Francisco, CA, Software Development Engineer
Google, San Francisco, CA, Software Engineer
IBM, New York, NY, Java Developer
Jane Street Group LLC, New York, NY, Software Developer
Junto Lab, San Francisco, CA, Founder
Materials Sciences Corporation, Horsham, PA, Junior Systems Engineer
Microsoft, Seattle, WA, Software Engineer
Mizuho, New York, NY, Systems Engineer
MongoDB, New York, NY, Software Engineer
MongoDB, New York, NY, Software Engineer
Palantir, New York, NY, Deployment Strategist
Palantir, New York, NY, Forward Deployed Software Engineer
Palantir, New York, NY, Forward Deployed Software Engineer
Phaltworks, Associate Consulting Developer
Salesforce, San Francisco, CA
Squarespace, New York, NY, Software Engineer
StackRox, Mountain View, CA, Member of Technical Staff
Synack, Inc., Redwood, CA, Engineer
Uber, San Francisco, CA, Software Engineer
Zipline, San Francisco, CA, Software Engineer

**Digital Media Design**
Blue Sky, Scarsdale, NY, Production Engineer
Calssy.org, San Diego, CA, Software Engineer
Dreamworks, Glendale, CA, Technical Director
Google, New York, NY, Software Engineer
Google, New York, NY, Software Engineer
Pixar, Emeryville, CA, Technical Officer
Littlestar, New York, NY, Android Engineer
Lockerdome, St. Louis, MO, Web Developer
Slack, San Francisco, CA, Associate Frontend Engineer
ThoughtWork, New York, NY, Associate Consultant
Uchiko Town, Japan, Alternate Language Teacher

**Electrical Engineering**
Capital One, McLean, VA, Business Analyst
Ford Motor, Detroit, MI, Powertrain Controls Engineer
JP Morgan, New York, NY, Tech Analyst

**Materials Science and Engineering**
Deloitte, San Francisco, CA, Business Technology Analyst
Gartner, London, U.K., Business Associate
Merck, NJ, Merck Manufacturing Leadership Development Program
National Service, Taiwan
NewellRubbermaid, Charlotte, NC, Associate Engineer
Precision, New York, NY, Analyst
PwC, New York, NY, Associate
Source One, Willow Grove, PA, Project Analyst Intern
Yodle, New York, NY, Software Engineer

**Mechanical Engineering and Applied Mechanics**
AECOM, Los Angeles, CA, Project Engineer
Amazon, Boston, MA, Deployment Engineer
AquaFresco, Sharon, MA, Product Development Engineer
Avascent, Washington, D.C., Analyst
Bank of America, Charlotte, NC, Quantitative Management Associate
Bank of Montreal, Chicago, IL, Investment Banking Analyst
Bard, Rao + Athanas Consulting Engineers, New York, NY, HVAC Design Engineer
BEAM (Bridge to Enter Advanced Mathematics), New York, NY, Program Coordinator
Boeing, Chicago, IL, Project Engineer
Capital One, McLean, VA, Business Analyst
Consolidated Edison, Inc., New York, NY, Management Associate
Deloitte, Boston, MA, Business Technology Analyst
Draper, Cambridge, MA, Mechanical Engineer
ElectrolImpact, Mukilteo, WA, Mechanical Engineer
Fever Smart, Philadelphia, PA, CTO and Co-Founder
Goldman Sachs, New York, NY, Technology Analyst
Hatch, Mississauga, Canada, Mechanical Engineer – Project Delivery Group
Hexcel, Burlington, WA, Manufacturing Engineer
Inductotherm, Rancocas, NJ, Associate Engineer
Jaros, Baum, and Bolles, New York, NY, Engineer
Liberty Reach, Research Engineer
Morley Builders, Santa Monica, CA, Intern
Naval Sea Systems Command (NAVSEA), Philadelphia, PA, Mechanical Engineer
Naval Surface Warfare Center, Philadelphia, PA, Mechanical Engineer
Naval Surface Warfare Center, West Bethesda, MD, Mechanical Engineer
Presbyterian Hospital Department of Surgery, Philadelphia, PA, Product Design Engineer
Robert Derector Associates, New York, NY, Mechanical Engineer
Schlumberger, Midland, TX, Field Engineer
Self-Employed, Chicago, IL, Freelance CAD Designer/3D Printer
Southern Air, Lynchburg, VA, Junior Engineer
SpaceX, Hawthorne, CA, Dragon Mechanisms Intern
Structural Group, Elkridge, MD, Project Engineer

**Networked and Social Systems Engineering**
Google, Mountain View, CA, Software Engineer
JP Morgan, New York, NY, Business Technology Analyst
LiveRamp, San Francisco, CA, Software Developer
Microsoft, Redmond, WA, Program Manager
Palantir, New York, NY, Infrastructure Quality Engineer

**Systems Science and Engineering**
Bain & Co., Chicago, IL, Associate Consultant
Bain & Co., New York, NY, Associate Consultant
Bayview, Coral Gables, FL, Financial Analyst
Corporate Executive Board, Arlington, VA, Research Analyst
Deloitte, New York, NY, Strategy and Operations Analyst
Ernst & Young, New York, NY, Technology Consultant
Ernst & Young, New York, NY, Technology Consultant
Fahrenheit 212, New York, NY, Innovation Analyst
Google, Mountain View, CA, Engineering Resident
Jet.com, Hoboken, NJ, Product Catalog
Mars and Co., Greenwich, CT, Associate Consultant
Palantir, New York, NY, Deployment Strategist
PwC, New York, NY, Advisory Associate
SL Green Realty Corp., New York, NY, Acquisitions Analyst
TD Bank, Mount Laurel, NJ, Financial Analyst
The Advisory Board Company, Washington, D.C., Junior Analyst
Volant, New York, NY, Trader

**ENGINEERING DUAL DEGREES (BAS/BSE & MSE)**

**Bioengineering**
Honeywell, Fort Washington, PA, Software Engineer I
Putnam, Boston, MA, Associate Consultant
PwC, New York, NY, Associate
Siemens, Mountain View, CA, Siemens Graduate Program Fellow

**Computer Science**
Airbnb, San Francisco, CA, Software Engineer
Bloomberg, New York, NY, Financial Software Developer
Facebook, Menlo Park, CA, Software Engineer
Google, Mountain View, CA, Software Engineer
Google, Mountain View, CA, Software Engineer
Google, New York, NY, Software Engineer
Microsoft, Redmond, CA, Software Engineer
MongoDB, New York, NY, Software Engineer
Two Sigma, New York, NY, Software Engineer

**Digital Media Design**
Alphabet Inc., Mountain View, CA, Software Engineer

**Electrical Engineering**
The Data Incubator, Washington, D.C., Data Science Fellow
XEED, LLC., Philadelphia, PA, Co-Founder & CTO
Materials Science and Engineering
Safran, Rochester, NH, Process Engineer
Holtec, Camden, NJ

Mechanical Engineering and Applied Mechanics
Apple, Cupertino, CA, Software Engineer
Deloitte, San Francisco, CA, Business Technology Analyst
Exyn, Philadelphia, PA, Robotics/Mechatronics Engineer
Gamesa, Trevose, PA, Mechanical Engineer
Honeybee, Brooklyn, NY, Project Engineer
HP Inc., Palo Alto, CA, Research Engineer
Morgan Stanley, New York, NY, Analyst
NBC Universal, New York, NY, Data Engineer
Transcriptic, Menlo Park, CA, Member of Technical Staff
US Navy, Charleston, SC, Nuclear Engineering
Xometry, Washington, D.C., Project Manager

Networked and Social Systems Engineering
Igneous, Seattle, WA, Developer

Systems Science and Engineering
Deloitte, New York, NY, Business Technology Analyst
Deloitte, Philadelphia, PA, Business Technology Analyst
Oliver Wyman, San Francisco, CA, Consultant

ENGINEERING & CAS

Applied Science-Biomedical Science
Fulbright, Chennai, India

Applied Science- Computer Science
Amazon, Seattle, WA, Software Development Engineer
Appboy, New York, NY, Mobile Support Engineer
Apple, Cupertino, CA, Software Prototype Engineer
U.S. Congress, Washington, D.C., Intern
Venture for America, Philadelphia, PA, Fellow

Chemical and Biomolecular Engineering
Credit Suisse, Wilmington, DE, Director
IBM, Philadelphia, PA, Business Transformation Consultant
Nosco, Waukegan, IL, Process Engineer

ENGINEERING & WH

Applied Science-Biomedical Science
Stealth, New York, NY, Data Science Lead

Applied Science- Computer Science
AQR Capital, Greenwich, CT, Research Analyst
Citadel, Chicago, IL, Quantitative Research
CLI Ventures, Palo Alto, CA, Analyst
Etsy, New York, NY, Data Analyst
General Motors, New York, NY, Corporate Finance Rotational Program
Moelis & Company, Los Angeles, CA, Analyst
Navigant, Washington, D.C., Consultant
Orbital Insight, Palo Alto, CA, Business Analyst
Palantir, New York, NY, Forward Deployed Engineer
Palantir, New York, NY, Software Engineer
Self-Employed, Los Altos, CA, Founder
Sidewire Inc., San Francisco, CA, Software Engineer
TPG Capital, San Francisco, CA, Private Equity Analyst

**Bioengineering**
Accenture, Philadelphia, PA, Management Consulting Analyst
GTRACK, Philadelphia, PA, CTO and Co-Founder
Workday, Peasanton, CA, Financial Analyst

**Computer Engineering**
American Express, New York, NY, Digital Product Manager
Microsoft, Seattle, WA, Program Manager

**Computer Science**
Alt School, San Francisco, CA, Product Manager
Ares, New York, NY, Private Equity Analyst
Bain & Co, New York, NY, Associate Consultant
Citadel, Chicago, IL, Financial Technology Associate
Citadel, Chicago, IL, Quantitative Research Analyst
Facebook, Menlo Park, CA, Software Engineer
Foros, New York, NY, Analyst
Google, Mountain View, CA, Software Engineer
McKinsey & Co, Cleveland, OH, Business Analyst
Silver Point Capital, Greenwich, CT, Analyst
Square, San Francisco, CA, Software Engineer
Segment, San Francisco, CA, Product Analyst

**Electrical Engineering**
Boston Consulting Group, New York, NY, Associate
TD Securities, New York, NY, Investment Banking Analyst

**Materials Science and Engineering**
Boston Consulting Group, San Francisco, CA, Associate
Deloitte, Los Angeles, CA, Investment Banking Analyst
Epic, Verona, WI, Technical Problem Solver
Evercore, New York, NY, Analyst
Oliver Wyman, New York, NY, Consultant

**Mechanical Engineering and Applied Mechanics**
Dairy Free Games, San Francisco, CA, Co-Founder
ExxonMobil, Bristol, RI, Utilities Engineer
Hasbro, Pawtucket, RI, Assistant Brand Manager
Microsoft, Seattle, WA, Program Manager
Zimmer, New York, NY, Research Associate

**Systems Science and Engineering**
Applied Predictive Technologies, Arlington, VA, Marketing Analyst
Boston Consulting Group, New York, NY, Associate
Boston Consulting Group, Seattle, WA, Associate
Moelis & Company, Los Angeles, CA, Analyst
Morgan Stanley, Menlo Park, CA, Investment Banking
Oliver Wyman, New York, NY, Consultant
SECTION 3 - ANALYSIS OF GRADUATE STUDY RESPONDENTS*

Degrees Pursued

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<tr>
<th>Undergraduate Major</th>
<th>Masters</th>
<th>PhD</th>
<th>MD/DMD</th>
<th>MD/PhD</th>
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<tr>
<td>AS – Computer Science</td>
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<tr>
<td>Bioengineering</td>
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<td>1</td>
<td>6</td>
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<tr>
<td>Chemical &amp; Biomolecular Engineering</td>
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<td>Computer Science</td>
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<td>Digital Media Design</td>
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<td>Electrical Engineering</td>
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<td>Materials Science &amp; Eng.</td>
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<td>Mechanical Eng. &amp; Applied Mechanics</td>
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<tr>
<td>Networked &amp; Social Systems Engineering</td>
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<td></td>
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<td>Systems Science &amp; Engineering</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>49</strong></td>
<td><strong>11</strong></td>
<td><strong>10</strong></td>
<td><strong>2</strong></td>
<td><strong>2</strong></td>
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</tbody>
</table>

*By SEAS undergraduate major

Fields of Full-time Graduate Study

![Bar chart showing the distribution of full-time graduate study fields for 2014, 2015, and 2016.]
Graduate Schools Reported by Major

Graduate Schools to be Attended by Two or More Graduate Study Respondents

ENGINEERING SINGLE DEGREES

**Applied Science – Biomedical Science**
Columbia University, New York, NY, MS, Nutrition
University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, MD
University of Pennsylvania, Philadelphia, PA, Post-bac, Science

**Bioengineering**
Baylor College of Medicine, Houston, TX, MD
Dartmouth College, Hanover, NH, MD
Jefferson University, Philadelphia, PA, MD
National University of Ireland, Galway, Ireland, MS, Regenerative Medicine
University of British Columbia, Vancouver, Canada, MA, English Literature, concentration in Science and Technology Studies
University of Pennsylvania, Philadelphia, PA, DMD
University of Pennsylvania, Philadelphia, PA, MSE
University of Pennsylvania, Philadelphia, PA, MSE, Bioengineering
University of Pennsylvania, Philadelphia, PA, MSE, Bioengineering
University of Pennsylvania, Philadelphia, PA, MSE, Bioengineering
University of Virginia, Richmond, VA, MD
Washington University, St. Louis, MO, MD/PhD

**Chemical and Biomolecular Engineering**
Catholic University of Korea, Seoul, Republic of Korea, MD
Georgia Institute of Technology, Atlanta, GA, PhD, Chemical and Biomolecular Engineering
Stanford University, Stanford, CA, PhD, Higher Education
University of Pennsylvania, Philadelphia, PA, MSE, Systems Engineering
Wayne State University, Detroit, MI, MD

**Computer Science**
Carnegie Mellon University, Pittsburgh, PA, MA, Computer Science
Carnegie Mellon University, Silicon Valley, Northridge, CA, PHD, Electrical Engineering
Rutgers University, New Brunswick, NJ, PhD, Computer Science
University of Pennsylvania, Philadelphia, PA, MSE, Computer and Information Science
University of Pennsylvania, Philadelphia, PA, MSE, Computer and Information Science
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Scientific Computing

Digital Media Design
University of Pennsylvania, Philadelphia, PA, MSE, Computer Graphics and Game Technology

Electrical Engineering
Stanford University, Palo Alto, CA, MS, Electrical Engineering
University of California – Berkeley, Berkeley, CA, PhD, Electrical Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Electrical Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Electrical Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Robotics

Materials Science and Engineering
Northwestern University, Evanston, Illinois, MS, Data Science
University of California – Irvine, Irvine, CA, MA, Materials Science
University of Pennsylvania, Philadelphia, PA, MSE, Materials Science
University of Pennsylvania, Philadelphia, PA, MSE, Materials Science
University of Pennsylvania, Philadelphia, PA, MSE, Nanotechnology
University of Pennsylvania, Philadelphia, PA, MSE, Nanotechnology

Mechanical Engineering and Applied Mechanics
Columbia University, New York, NY, DMD
Stanford University, Stanford, CA, PhD, Mechanical Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Integrated Product Design
University of Pennsylvania, Philadelphia, PA, MSE, Integrated Product Design
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Mechanical Engineering & Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Robotics
University of Pennsylvania, Philadelphia, PA, MSE, Systems Engineering

Networked and Social Systems Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Computer and Information Science
University of Washington, Seattle, WA, PhD, Computer Science

Systems Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Systems Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Systems Engineering

ENGINEERING DUAL DEGREE (BAS/BSE & MSE)

Bioengineering
Icahn School of Medicine at Mount Sinai, New York, NY, MD/PhD, Translational Molecular Imaging
University of Miami Leonard M. Miller School of Medicine, Miami, FL, Cancer Biology
University of Pennsylvania, Philadelphia, PA, DMD

Mechanical Engineering and Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Integrated Product Design
ENGINEERING & CAS

Chemical and Biomolecular Engineering
Harvard University, Cambridge, MA, PhD, Theoretical & Computational Chemistry
Stanford University, Palo Alto, CA, PhD, Chemical Engineering

Materials Science and Engineering
Imperial College, London, UK, Post-bac, Sustainable Energy Futures
University of Oxford, Oxford, UK, MSc, Materials Science

ENGINEERING & WH

Applied Science – Biomedical Science
Cambridge University, Cambridge, UK, MA, Technology Policy

Applied Science – Computer Science
Harvard University, Cambridge, MA, MA, Computer Science

Chemical and Biomolecular Engineering
Columbia University, New York, NY, PhD, Chemical Engineering

Computer Science
Massachusetts Institute of Technology, Cambridge, MA, PhD, Computer Science (Machine Learning)

Mechanical Engineering and Applied Mechanics
University of Pennsylvania, Philadelphia, PA, MSE, Robotics

Systems Science and Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Systems Engineering