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 the 477 School of Engineering and Applied Science undergraduates who received their degrees from August 2019–May 2020. Students were surveyed up to six months from their graduation date, with a 47% response rate. Additional information was collected via LinkedIn and other sources, bringing the total knowledge rate up to 85%, a total of 404 known graduate outcomes. However, given the pandemic, we realize some offers may have been delayed or rescinded.

Sections

1. Post-Graduation Plans
2. Full-Time Employment
3. Industries & Top Hiring Employers
4. Job Function
5. Geography
6. Job Offers & Hiring Timeline
7. Salary & Bonuses
8. Continuing Education
9. Graduate Programs & Degree Level
10. First Destinations by Major *

* Coming soon!
Post-Graduation by the Numbers

Known Outcomes  

- Full-Time Employment: 69.3%
- Continuing Education: 23.0%
- Seeking Employment: 4.7%
- Part-Time Employment: 2.7%
- Not Seeking: 0.2%

97.8% of graduates were either employed, enrolled in continuing education, volunteering, serving in the military, or not seeking in the first 6 months after graduation.

All Graduates  

- Full-Time Employment: 59%
- Continuing Education: 19%
- Unknown: 15%

Post-Graduation: 5 Year Trends

<table>
<thead>
<tr>
<th>Year</th>
<th>Continuing Education</th>
<th>Employed*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>20.50%</td>
<td>76.45%</td>
</tr>
<tr>
<td>2017</td>
<td>18.93%</td>
<td>75.71%</td>
</tr>
<tr>
<td>2018</td>
<td>37.50%</td>
<td>58.10%</td>
</tr>
<tr>
<td>2019</td>
<td>23.50%</td>
<td>72.95%</td>
</tr>
<tr>
<td>2020</td>
<td>23.02%</td>
<td>72.03%</td>
</tr>
</tbody>
</table>

*Employed includes full-time employed, part-time employed, military service and volunteer service
Full-Time Employment

Top Hiring Employers by Industry

**Consulting**
1. Boston Consulting Group (BCG) (5)
3. Bain & Company (3)
4. Novetta (2)
   - PricewaterhouseCoopers (PwC) (2)

**Financial Services**
1. Goldman Sachs (7)
2. Capital One (5)
3. Bridgewater Associates (4)
4. Evercore (3)
   - JPMorgan Chase & Co. (3)

**Technology**
1. Microsoft (18)
2. Facebook (17)
3. Amazon (9)
4. Google, Inc. (8)
5. Apple (4)
   - Bloomberg (4)
   - Mastercard (4)
   - Palantir Technologies (4)

**Other**
1. AlphaThera (2)
   - Anheuser-Busch (2)
   - Merck & Co., Inc. (2)
   - Skydio (2)
   - University of Pennsylvania (2)

Employment by Industry

277 responses

- **Technology**: 39%
- **Financial Services**: 19%
- **Consulting**: 11%
- **Pharmaceuticals/Biotechnology**: 6%
- **Engineering**: 3%
- **Media/Journalism/Entertainment**: 3%
- **Consumer Products**: 3%
- **Other**: 3%
- **Healthcare**: 2%
- **Energy/Natural Resources/Utilities**: 2%
- **Electronics/Robotics**: 1%
- **Sports/Hospitality/Food Service**: 1%
- **Nonprofit**: 1%
- **Government**: 1%
- **Education**: 1%
- **Automotive**: 1%
- **Aerospace**: 1%
- **Insurance**: 1%
- **Publishing/Printing**: 1%
## Full-Time Employment

### Employment by Job Function

266 responses

<table>
<thead>
<tr>
<th>Job Function</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software Development/Engineering</td>
<td>114 / 43%</td>
</tr>
<tr>
<td>Consulting: Management/Strategy</td>
<td></td>
</tr>
<tr>
<td>Research &amp; Development</td>
<td></td>
</tr>
<tr>
<td>Data Analytics: Data Analytics</td>
<td>14 / 5%</td>
</tr>
<tr>
<td>Data Analytics: Data Science</td>
<td>11 / 4%</td>
</tr>
<tr>
<td>Finance: Investment Banking</td>
<td>10 / 4%</td>
</tr>
<tr>
<td>Research: Biomedical</td>
<td>9 / 3%</td>
</tr>
<tr>
<td>Technology Analysis</td>
<td>6 / 2%</td>
</tr>
<tr>
<td>Consulting: Technology</td>
<td>5 / 2%</td>
</tr>
<tr>
<td>Animation</td>
<td>4 / 2%</td>
</tr>
<tr>
<td>Energy Exploration and Production</td>
<td>4 / 2%</td>
</tr>
<tr>
<td>Teaching</td>
<td>4 / 2%</td>
</tr>
<tr>
<td>Testing/Quality/Evaluation</td>
<td>4 / 2%</td>
</tr>
<tr>
<td>Consulting: Research</td>
<td>3 / 1%</td>
</tr>
<tr>
<td>Entrepreneur/Founder</td>
<td>3 / 1%</td>
</tr>
<tr>
<td>Finance: Investment Management/Counsel</td>
<td>3 / 1%</td>
</tr>
<tr>
<td>Product/Brand Management</td>
<td>3 / 1%</td>
</tr>
<tr>
<td>Product/Project Management (Technology)</td>
<td>3 / 1%</td>
</tr>
<tr>
<td>Administration</td>
<td>2 / 1%</td>
</tr>
<tr>
<td>Business Development</td>
<td>2 / 1%</td>
</tr>
<tr>
<td>Finance: Financial Planning &amp; Analysis (non-bnkg)</td>
<td>2 / 1%</td>
</tr>
<tr>
<td>Finance: Private Equity</td>
<td>2 / 1%</td>
</tr>
<tr>
<td>Finance: Securities Research</td>
<td>2 / 0.8%</td>
</tr>
<tr>
<td>Finance: Venture Capital</td>
<td>2 / 0.8%</td>
</tr>
<tr>
<td>Game Development</td>
<td>2 / 0.8%</td>
</tr>
<tr>
<td>Web Design/Development</td>
<td>2 / 0.8%</td>
</tr>
<tr>
<td>Advertising/Media Planning</td>
<td>1 / 0.4%</td>
</tr>
<tr>
<td>Direct Service</td>
<td>1 / 0.4%</td>
</tr>
<tr>
<td>Finance: Risk Management</td>
<td>1 / 0.4%</td>
</tr>
<tr>
<td>Finance: Trading</td>
<td>1 / 0.4%</td>
</tr>
<tr>
<td>Legal Support</td>
<td>1 / 0.4%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>1 / 0.4%</td>
</tr>
<tr>
<td>Product Design/Development</td>
<td>1 / 0.4%</td>
</tr>
<tr>
<td>Research: Other</td>
<td>1 / 0.4%</td>
</tr>
</tbody>
</table>
CLASS OF 2020, SCHOOL OF ENGINEERING & APPLIED SCIENCE

Full-Time Employment

Employment by State
267 responses

30% of those who reported their location were working in New York City

Internationally
1% of those who reported their location
2 students in 2 countries

Ghana
South Africa

Mass. (19)
Conn. (6)
N.J. (5)
Del. (2)
Md. (4)
D.C. (10)

International Students
Of the 43 respondents working full-time who identified as foreign nationals, 40 (93%) were employed in the U.S.

U.S. Employers of Foreign Nationals

Consulting
Bain & Company
Boston Consulting Group (BCG)
End-to-End Analytics
McKinsey & Company

Financial Services
AQR Capital Management
BlackRock
Bridgewater Associates
Cantor Fitzgerald

Technology
Amazon
Bloomberg
Facebook
Fair Square Financial
Google, Inc.
Latch

End-to-End Analytics
McKinsey & Company

Microsoft
Nvidia
Palo Alto Networks
Snap Inc.
Uber

Other
IL MAKIAGE
Nuro
Radian
University of Pennsylvania
Full-Time Employment

Hiring Timeline
145 responses

80% of graduates working full-time accepted offers before January, primarily working in early recruiting industries like Technology, Finance, and Consulting.

Offer Method
130 responses

47% of full-time opportunities were found through Career Services.

- Previous Employer (through OCI), 37%
- Other Career Services Resources, 25%
- On Campus Interviewing (OCI), 37%

35% accepted return offers from previous employers, primarily in Technology and Financial Services.

35% accepted offers from On Campus Interviews (through a previous employer or through OCI directly).
## Full-Time Employment

### Average Starting Salary

<table>
<thead>
<tr>
<th>SEAS</th>
<th>Respondents</th>
<th>Average</th>
<th>Median</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SEAS Only</strong></td>
<td>140</td>
<td>$100,653</td>
<td>$90,000</td>
<td>$26,000</td>
</tr>
<tr>
<td>Women</td>
<td>95</td>
<td>$97,514</td>
<td>$90,000</td>
<td>$26,000</td>
</tr>
<tr>
<td>Men</td>
<td>47</td>
<td>$90,803</td>
<td>$85,000</td>
<td>$26,000</td>
</tr>
<tr>
<td><strong>SEAS/CAS – Dual Degree</strong></td>
<td>6</td>
<td>$111,833</td>
<td>$123,000</td>
<td>$72,000</td>
</tr>
<tr>
<td>Women</td>
<td>3</td>
<td>$131,333</td>
<td>$126,000</td>
<td>$123,000</td>
</tr>
<tr>
<td>Men</td>
<td>3</td>
<td>$92,333</td>
<td>$82,000</td>
<td>$72,000</td>
</tr>
<tr>
<td><strong>SEAS/Nursing – Dual Degree</strong></td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Women</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Men</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>SEAS/Wharton – Dual Degree</strong></td>
<td>39</td>
<td>$106,579</td>
<td>$90,000</td>
<td>$63,000</td>
</tr>
<tr>
<td>Women</td>
<td>11</td>
<td>$106,964</td>
<td>$93,600</td>
<td>$63,000</td>
</tr>
<tr>
<td>Men</td>
<td>28</td>
<td>$106,429</td>
<td>$90,000</td>
<td>$80,000</td>
</tr>
</tbody>
</table>

*Fewer than 3 reported salaries not published to maintain confidentiality.
Top Graduate Schools Accepted by Discipline

**Engineering**
1. University of Pennsylvania (62)
2. Massachusetts Institute of Technology (2)
   - Harvard University (2)

**Medicine**
1. University of Pennsylvania (1)
   - New York University (1)

**Other**
1. Harvard University (2)
2. Eberhard Karls University of Tubingen (1)
   - Imperial College Business School (1)
   - Princeton University (1)
   - Stanford University (1)
   - University of Cambridge (1)
   - University of Notre Dame (1)
   - University of Southern California (1)
   - University of Tennessee, Knoxville (1)

Continuing Education by Field of Study

87 responses

- **Engineering**: 86%
- **Science (non-medical)**: 5%
- **Business**: 3%
- **Medicine**: 2%
- **Law**: 1%
- **Other**: 1%
- **Social Science**: 1%

Continuing Education Degree Level

90 responses

- **Masters**: 77%
- **Doctorate**: 23%