Steinbright Career Development Center: The Future of Work

Lynne Hickle, Executive Director, Cooperative Education
A little about me

- 20 years at Drexel
  - Began career in the Co-op office
  - 15 years as Assistant Dean of Student Services in the College of Computing and Informatics
  - Last 4 years as Executive Director of Co-operative Education
- Cooperative Education and Internship Association (CEIA) - Vice President of Mid-Atlantic Region
- Dad is an alumnus – came to Drexel because of the co-op program
The U.S. labor force—the number of people working or looking for work—is projected to reach 163.8 million in 2024. The labor force is anticipated to grow by 7.9 million, reflecting an average annual growth rate of 0.5 percent, over the 2014–24 period.

(Source: United States Department Of Labor)
The Future of Work: Drexel Response

- 94% Co-op Participation
- 98% Employment Rate
- 5,538 Students Employed
- 1,551 Unique Employers
In AY 2018-19, how many students were enrolled in COOP 101?

- 2,000 to 2,500
- 2,500 to 3,000
- 3,000 to 3,500
- 3,500 to 4,000
The Future of Work

Sixty-five percent of children now entering primary school will hold jobs that currently don’t exist.

(Source: World Economic Forum)
The Future of Work: Drexel Response

A Unique Curriculum

World-Class Academics

Real-World Experience

Drexel is always learning and changing as the world changes.
This company hired the largest number of students for co-op during AY2018 (after Drexel University).

- Johnson & Johnson
- Children’s Hospital of Philadelphia
- Comcast
- PECO (Exelon)
The Future of Work

Although automation will play a role in the future workforce, the future will hinge more on experts who wield smart technologies, with 78% of recent survey respondents citing that smart technologies will most significantly change the workplace by 2020.

(Source: HR.com)
Drexel Solutions Institute (DSI), in partnership with Steinbright, offers:

1) Talent Acquisition
2) Corporate and Executive Education
3) Consulting and Research Projects

Ex. Smart Textiles Research in partnership with Dept. of Defense and Advanced Functional Fabrics of America (AFFOA) and Drexel SMART House
The Future of Work

In an analysis of 25 common skill sets today, researchers found that between 2016 and 2030, demand for social and emotional skills will grow across all industries by 26% in the United States. (Source: McKinsey)
A recent NACE study found large gaps in student and employer opinions on proficiencies in critical career competencies. For example, 41.6% of employers said they would rate recent grads as proficient in oral/written communications. What percent of students surveyed said they considered themselves proficient in this area?

- 56%
- 66%
- 79%
- 85%
## The Future of Work: Drexel Response

### Competency Questions - Based on the Drexel Student Learning Priorities

<table>
<thead>
<tr>
<th>Competency</th>
<th>% Proficient Student Rating</th>
<th>% Proficient Employer Rating</th>
<th>Competency Gap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communicate effectively through writing</td>
<td>86.40%</td>
<td>80.30%</td>
<td>6.10%</td>
</tr>
<tr>
<td>Demonstrate effective verbal communication</td>
<td>82.20%</td>
<td>81.50%</td>
<td>0.70%</td>
</tr>
<tr>
<td>Communicate appropriately with different audiences</td>
<td>86.60%</td>
<td>82.20%</td>
<td>4.40%</td>
</tr>
<tr>
<td>Provide feedback about assigned projects and tasks</td>
<td>80.60%</td>
<td>79.40%</td>
<td>1.20%</td>
</tr>
<tr>
<td>Contribute original and relevant ideas, strategies, or solutions</td>
<td>77.40%</td>
<td>76.30%</td>
<td>1.10%</td>
</tr>
<tr>
<td>Critically analyze and solve complex problems</td>
<td>77.40%</td>
<td>73.30%</td>
<td>4.10%</td>
</tr>
<tr>
<td>Uphold ethical standards in the workplace</td>
<td>90.40%</td>
<td>90.30%</td>
<td>0.10%</td>
</tr>
<tr>
<td>Make well-reasoned, data-supported decisions</td>
<td>84.50%</td>
<td>80.50%</td>
<td>4.00%</td>
</tr>
<tr>
<td>Use information effectively to accomplish a task</td>
<td>90.90%</td>
<td>85.80%</td>
<td>5.10%</td>
</tr>
<tr>
<td>Set goals and monitor progress</td>
<td>80.30%</td>
<td>75.60%</td>
<td>4.70%</td>
</tr>
<tr>
<td>Use appropriate technologies to complete assigned tasks</td>
<td>91.50%</td>
<td>91.20%</td>
<td>0.30%</td>
</tr>
<tr>
<td>Work effectively with people who have diverse backgrounds, beliefs, values, or behaviors</td>
<td>91.40%</td>
<td>90.90%</td>
<td>0.50%</td>
</tr>
<tr>
<td>Build professional relationships</td>
<td>84.30%</td>
<td>82.60%</td>
<td>1.70%</td>
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</table>
The Future of Work

The need for advanced IT and programming skills is going to grow. There will be 1.4 million open computing jobs by 2020 but only 400,000 computer-science graduates with the skills to fill them.

(Source: The Bureau Of Labor And Statistics)
The Future of Work: **Drexel** Response

- Excel Workshops for LeBow Students
- LeBow science general education requirements can be fulfilled with technology course
- Excel integrated in Fashion Merchandising Course
- BA in Computer Science
- Drexel CyberDragons
- DrexelTech Force (coming soon)
The Future of Work

Besides being more efficient, tomorrow’s workforce will be even more diverse than today’s—by gender, ethnicity, culture, religion, sexual preference and identification, and perhaps by other characteristics we don’t even know about right now.

(Source: Deloitte)
The Future of Work: Drexel Response

- Creating Borderless/Global Citizens:
  - Apprx. $300,000 in funding for global co-op
  - Primary goal of the current Capital Campaign
- Workplace Discrimination Prevention Committee
- Neurodiversity at work
- IDEA Committee (Identity, Diversity, Equity and Advocacy)
How many students went abroad for an international co-op experience in AY 2018?

- 125
- 197
- 244
- 160
45 COUNTRIES

POPULAR DESTINATIONS:
GERMANY
CHINA
GREECE
S.KOREA
VIETNAM
AUSTRALIA
SINGAPORE
SOUTH AFRICA
The Future of Work

Seventy-nine percent of executives agreed that the future of work will be based more on specific projects than roles.

(Source: Accenture)
The Future of Work: 

*Drexel* Response

4-year curriculum

<table>
<thead>
<tr>
<th>Semester</th>
<th>One</th>
<th>Two</th>
<th>Three</th>
<th>Four</th>
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<tbody>
<tr>
<td>Fall</td>
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<td>Winter</td>
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<td>Summer</td>
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5-year curriculum

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**Co-op Cycle Key:**

- **On-campus study**
- **Co-op experience**
- **Vacation**
The Future of Work: Drexel Response

- Close School of Entrepreneurship Co-op
  - Application with project plan
  - Applicants make their pitch
  - Competitive process
  - Those chosen get $15k for 6 months
  - Students retain all rights to IP
The Future of Work

When asked about what they think about the future world of work, office workers said they are mostly excited (37%) and see a world of possibilities. Almost as many are confident (36%) and know they will be successful.

(Source: PwC)
The Future of Work: Drexel Response

AMBITION CAN’T WAIT

Drexel UNIVERSITY
What didn’t I cover that you want to hear more about?
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