Appendix I. Survey Questions

1. Did you have to complete any of the following tasks during your co-op experience?
   A. Look up a specific fact (material property, stress-strain information)
   B. Literature Review for a report
   C. Locate supporting information for a grant proposal.
   D. Research what your competitors are doing
   E. Other

2. Which of the following types of information did you use "on the job" during your co-op internship.
   A. Books
   B. Industry Standards
   C. Patents
   D. Scholarly Journal Articles/Research Articles
   E. Technical Reports/White Papers
   F. None
   G. Other

   If Selected 2A.
   I. How easy was it to find books?
      A. Very Easy
      B. Easy
      C. Difficult
      D. Very Difficult
      E. Other

   II. Prior to your co-op experience, how often had you looked for books for class assignments?
      |               |                        |
      Never       Used for       Used for more
      used one assignment than one assignment

   III. When did you first learn to find books?
      A. Before college
      B. Freshman year
      C. Sophomore year
      D. Junior year
      E. Senior year
      F. Other

   IV. How did you learn or who taught you to find books? Choose all that apply.
      A. Class instructors (e.g., professors or TAs)
      B. In a directed research/UROP experience
      C. On my co-op experience (from my supervisor or another employee)
      D. On my own
      E. From other students/peers
      F. From a librarian at U of M
      G. Other _____________________________
I. How easy was it to find Industry Standards
   A. Very Easy
   B. Easy
   C. Difficult
   D. Very Difficult
   E. Other

II. Prior to your co-op experience, how often had you looked for industry standards for class assignments?
   |                   |                        |
   | Never           | Used for             | Used for more
   | used           | used for one assignment | than one assignment

III. When did you first learn to find industry standards?
   A. Before college
   B. Freshman year
   C. Sophomore year
   D. Junior year
   E. Senior year
   F. Other

IV. How did you learn or who taught you to find industry standards? Choose all that apply.
   A. Class instructors (e.g., professors or TAs)
   B. In a directed research/UROP experience
   C. On my co-op experience (from my supervisor or another employee)
   D. On my own
   E. From other students/peers
   F. From a librarian at U of M
   G. Other _____________________________

If Selected 2C
I. How easy was it to find Patents?
   A. Very Easy
   B. Easy
   C. Difficult
   D. Very Difficult
   E. Other

II. Prior to your co-op experience, how often had you looked for patents for class assignments?
   |                   |                        |
   | Never           | Used for             | Used for more
   | used           | used for one assignment | than one assignment
III. When did you first learn to find patents?
A. Before college
B. Freshman year
C. Sophomore year
D. Junior year
E. Senior year
F. Other

IV. How did you learn or who taught you to find patents? Choose all that apply.
A. Class instructors (e.g., professors or TAs)
B. In a directed research/UROP experience
C. On my co-op experience (from my supervisor or another employee)
D. On my own
E. From other students/peers
F. From a librarian at U of M
G. Other _____________________________

If Selected 2D

I. How easy was it to find Scholarly Journal Articles/Research Articles?
A. Very Easy
B. Easy
C. Difficult
D. Very Difficult
E. Other

II. Prior to your co-op experience, how often had you looked for scholarly journal articles/research articles for class assignments?

<table>
<thead>
<tr>
<th>Never</th>
<th>Used for one assignment</th>
<th>Used for more than one assignment</th>
</tr>
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III. When did you first learn to find patents?
A. Before college
B. Freshman year
C. Sophomore year
D. Junior year
E. Senior year
F. Other

IV. How did you learn or who taught you to find scholarly journal articles/research articles? Choose all that apply.
A. Class instructors (e.g., professors or TAs)
B. In a directed research/UROP experience
C. On my co-op experience (from my supervisor or another employee)
D. On my own
E. From other students/peers
F. From a librarian at U of M
G. Other _____________________________
If Selected 2E
I. How easy were they to find?
   A. Very Easy
   B. Easy
   C. Difficult
   D. Very Difficult
   E. Other

II. Prior to your co-op experience, how often had you looked for technical reports for class assignments?
   |                   |                        |
   | Never           | Used for           | Used for more |
   | used           | one assignment     | than one assignment |

III. When did you first learn to find technical reports?
   A. Before college
   B. Freshman year
   C. Sophomore year
   D. Junior year
   E. Senior year
   F. Other

IV. How did you learn or who taught you to find technical reports? Choose all that apply.
   A. Class instructors (e.g., professors or TAs)
   B. In a directed research/UROP experience
   C. On my co-op experience (from my supervisor or another employee)
   D. On my own
   E. From other students/peers
   F. From a librarian at U of M
   G. Other _____________________________

3. What support did your co-op employer offer for finding information? Choose all that apply.
   a. Company intranet
   b. Internet
   c. Librarian/information specialist
   d. Library/information center
   e. Other _____________________________
   d. None

Demographic Questions:

1. Previous to your co-op experience, what, if any, experience did you have working in an Engineering lab, company, firm, or directed research setting?
   Choose all that apply.
   __ directed research/UROP
   __ internship(s)
   __ previous co-op experience
   __ previous work experience
   __ no previous experience
2. What is/are your major(s)? Choose all that apply.
   __ Aerospace engineering
   __ Biomedical engineering
   __ Bioproducts and biosystems engineering
   __ Chemical engineering
   __ Civil engineering
   __ Computer science and engineering
   __ Electrical engineering
   __ Materials science
   __ Mechanical engineering
   __ Other _____________________________

3. What is your current year in school?
   __ Freshman
   __ Sophomore
   __ Junior
   __ Senior
   __ Graduate Student
   __ Other _____________________________

4. What year were you born? ____

5. Additional Comments?