

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 _____

If Selected 2B

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 | 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 | 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?

- | | | |
|-------|----------------|---------------------|
| | | |
| Never | Used for | Used for more |
| used | 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 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?