Frequently Asked Questions

- **What is the difference between a co-op job and an internship?**
  A co-op is a multi-semester work opportunity with an employer who has operated a well-established co-op program for a number of years and whose co-op program will continue after the currently enrolled student is no longer part of the program. In a co-op students will work 40 hours per week.

An internship may be part-time or full-time, one or more semesters long, and students may participate in several internships during their college career with multiple employers. Most University of Utah students participate in internship programs.

- **What kind of a job qualifies for a co-op or internship?**
  The job must integrate college level academic study with work experience that strengthens and complements the education received in the department.

- **What are the benefits of this type of work?**
  Gain practical experience in chosen career field
  Work with qualified professionals
  Apply skills and knowledge learned in the classroom to actual job experiences
  Begin building a network for future employment opportunities
  Identify strengths and weaknesses
  Enhance academic experience by seeing the application of theoretical information

- **Can I receive technical elective credit for this work experience?**
  The Chemical Engineering Department awards from one to three hours per semester for students enrolled in CH EN 4977/4978, Engineering Co-op. A maximum of 6 credit hours, 3 credit hours each, can be earned. 4977 is in lieu of CH EN technical elective credit and 4978 is in lieu of technical elective credit outside the department.

  **One or more credit hours** per semester will be awarded to students employed in a part-time internship, working a minimum of 20 hours/week, and enrolled in the university as a full-time student (12 or more credit hours).

  **Three credit hours** per semester will be awarded to students who participate in a nationally recognized co-op program, or whose work experience is pre-approved by Professor Ring. At a minimum students will work 20-hours/week for one Fall or Spring semester, or 40-hours/week (full time) during Summer semester.

- **How can I find one of these jobs?**
  Most are posted on the departmental website at [www.che.utah.edu](http://www.che.utah.edu). You may also register with Career Services (careers.utah.edu) and contact your counselor Colton Griffiths (CGriffiths@sa.utah.edu) for assistance.

- **What if I already have a job I think would qualify or am about to start a new job?**
  See the next page under How to Get Started.

- **What is expected of my employer?**
  You will meet with your supervisor once you have registered for the class and explain the program and show him/her the Technical Report Requirements. Discuss with your employer possible learning objectives and come to a mutual agreement on four (4) learning objectives for your period of work. Finally, you will ask the supervisor to complete the enclosed final evaluation of your work. Please be advised that some employers may consider the work you are disclosing in your report as confidential. If this is the case, please work directly with Professor Ring and your employer to come to an agreement.
How to Get Started (please follow steps 1 through 3 in order):

1. Prepare 1 copy of a detailed job description reflecting the type of work you will be doing for the semester (to be included in your final report). Make an appointment with Professor Ring to discuss your internship. Discuss any questions you may have about the Technical Report Requirements with Professor Ring.

2. Upon approval, register for CH EN 4977 (ChemE elective) or 4978 (non ChemE elective) by requesting a permission code online (http://www.che.utah.edu/undergraduate/forms/permission_code/). Christina will send you a permission code and a class number to register for the appropriate course.

3. The Technical Report must be submitted the week prior to finals, or if your work experience began mid-semester, 14 weeks after beginning the work. Give one printed copy (not electronic) to Professor Ring.

4. The Technical Report comprises 7 sections: (See below for a more detailed description of the Technical Report)

   Title Page
   Job Description (the original job description copy you retained for this report)
   List of Learning Objectives (item 3 on this sheet)
   Abstract or Summary
   Technical Report (10-15 pages exclusive of tables, figures, graphs, etc.)
   Conclusions
   Resume
   Employer Evaluation (provided in this packet)

Keep in mind you are receiving technical elective credit for learning, not credit for working.

__________________________________________________________

PLEASE NOTE:

If you wish to do additional internships with the same employer, subsequent technical reports must be unique. You must report on different projects or assignments.
UNIVERSITY OF UTAH CHEMICAL ENGINEERING
COOPERATIVE EDUCATION/INTERNSHIP PROGRAM (CHEN 4977/4978)

STUDENT APPLICATION INFORMATION

Date ______________________

Student Name ______________________________________________________

Student ID # ________________________________________________________

Home address _______________________________________________________

_______________________________________________________

E-mail Address _______________________________________________________

Home Phone _______________________ Work Phone ______________________

Major _____________________________ Grad Date ________________________

Employer ___________________________________________________________

Employer’s Address ___________________________________________________

Supervisor’s Name ____________________________________________________

Supervisor’s Work Phone _______________________________________________

Supervisor’s E-mail____________________________________________________

Student’s Job Title _____________________________________________________

Co-op Beginning Date _______________________ Ending Date ________________

Rate of Pay _______________________

# of Hours Work/Wk _______________________

Semester/Year _______________________

No. of Credit Hours _______________________

Permission must be obtained to register for any number of credit hours per semester. Description of exception:
______________________________________________________________________________
______________________________________________________________________________

Please attach
1) Job Description
2) List of 4 learning objectives
UNIVERSITY OF UTAH CHEMICAL ENGINEERING
COOPERATIVE EDUCATION/INTERNSHIP PROGRAM (CHEN 4977/4978)

TECHNICAL REPORT REQUIREMENTS

General Format
- typed, double-spaced
- 10-15 text pages in length (i.e., exclusive of figures, graphs, etc.)
- spell and grammar checked; this should be a professional, college level report

1. Title Page
- your name, ID number, major, course title, semester, date paper submitted
- company name, supervisor’s name

2. Job Description
the original job description approved by Professor Ring

3. Learning objectives
- original learning objectives and modifications, if any, to those objectives

4. Abstract
- brief summary of paper
- prepare this abstract as a separate page, 100 words or less

5. Technical Report
- discuss in detail all technical aspects of this co-op position as it relates to your program of courses. Information should be sufficiently explicit and detailed for the professor supervising your course to understand the technical aspects of your work assignments
- this paper should not merely be a log of daily tasks, but should reflect research, analytical methods, and problem solving methods applied to the tasks performed, results and the impact of your results.
- give examples that show the application of your education and knowledge of the work performed.
- use illustration (tables, figures, drawings) that enhance the discussion of your work, being sensitive to proprietary information

6. Conclusions
- how did the projects and responsibilities relate to theory learned in the classroom?
- how will your experience help you back in classes?
- what have you discovered about the work place environment that will help you conduct a career search after graduation?

7. Resume
- attach a current resume reflecting this most recent job experience

8. Student Evaluation – You fill this in.

9. Final Employer Evaluation – Your employment supervisor fills this in. No grade will be given without the employer evaluation.

10. Optional one page essay for the UWorkUWin contest. Submit a short paper (300 words or less) that describes something positive, interesting, fun, or – in a word – cool about this work experience. Give your paper a catchy title. Pick one of the following to discuss: Projects, Co-workers, Place, or Perks. Take at least one digital photograph that illustrates your paper. E-mail the paper and photo as attachments to Colton Griffiths. (Your writing can be informal, chatty and lighthearted, but make sure you re-read what you wrote and check for accuracy just as you do for all assignments.) We may use your photo and paper in our internship publicity.

The Technical Report must be submitted the week prior to finals, or if your work experience began mid-semester, 14 weeks after beginning the work. Give one printed copy to Professor Ring.
Final Employer Evaluation

**Directions to Employer Supervisor:** This form is designed to help the student understand how his/her performance is perceived. Please meet with the student and discuss your evaluation.

Student Name______________________________ Semester/Year____________________________

**Skills Mastery**
1. What technical skills does the student contribute to your organization?

2. What personal attributes does the student demonstrate, i.e. leadership, team player, organizational, work ethic, etc?

**University Preparation**
3. How well has this university education prepared the student to be successful?

4. If you were able to contribute suggestions regarding academic curriculum for students, what would they be?

**Corporate Culture**
5. Does the student understand the goal of the organization and their role in its success?

6. How does the student measure up to existing employee standards? If a job were available when the student graduates, would you offer a full-time position?

7. As an experienced professional in a field related to this student’s area of study, you have valuable insight into what is required to be successful on the job. What advice would you give that would contribute to his/her preparation for a chosen career?

Name:_____________________ Title:________________ Company:_________________

UNIVERSITY OF UTAH CHEMICAL ENGINEERING
COOPERATIVE EDUCATION/INTERNSHIP PROGRAM (CHEN 4977/4978)
# Student Evaluation

| Fall | Spring | Summer | [mark one] | Date: ________________ |

This completed form should accurately assess your Co-Op experience. It is does not need to be reviewed by your employer.

Student: ____________________________  Graduation Date: ____________________________

---

Co-Op Employer: ____________________________  Division: ____________________________

Department: ____________________________

Address: __________________________________________________________________________

<table>
<thead>
<tr>
<th>Street</th>
<th>City</th>
<th>State</th>
<th>ZIP</th>
</tr>
</thead>
</table>

Position Title: ____________________________

Briefly describe your work assignment:

---

Supervisor: ____________________________  HR Employer Coordinator: ____________________________

Work Period Starting Date: ________________  Anticipated Completion Date: ____________________________

Regular Working Hours: Daily from ______ to ______; Saturday to ____________________________

Regular overtime by days and hours, if any: ____________________________________________

Average Overtime per Week (in hours): ______. Time Absent: ______ Causes: ____________________________

Gross Pay Rate: ______ per Hour  Week  Month  [mark one]  Estimated Total Gross Period Income: ______

Latest Change in Gross Pay from ______ to ______ per Hour  Week  Month  Change effective: ________

---

Please rate the OVERALL quality and value of this Work Session by marking one of the following:

(1=Low, 10=High)  1  2  3  4  5  6  7  8  9  10

---

Faculty Coordinator: ________Terry A. Ring_______________________________
On a scale of one to five, rate the following characteristics of your Co-Op experience and your Co-Op employer.

COMMENTS

1. Relationship of work to your academic/career interests.
   No Relationship                    Highly Related
   1  2  3  4  5

2. Were you adequately prepared academically for your assignment?
   Under Prepared                    Over Prepared
   1  2  3  4  5

3. Was your work assignment challenging?
   Little Challenge                  Overwhelmed
   1  2  3  4  5

4. Employer's understanding and management of the Co-Op Program.
   Poor                              Excellent
   1  2  3  4  5

5. Employer supervision and guidance during your Co-Op assignment.
   Poor                              Excellent
   1  2  3  4  5

6. Your relationship with your fellow employees.
   Poor                              Excellent
   1  2  3  4  5

7. Overall evaluation of your employer as a Co-Op participant.
   Poor                              Excellent
   1  2  3  4  5

8. Did you have an exit interview with your Employer Coordinator?   Yes ☐ No ☐
9. Did you discuss this evaluation with your employer coordinator or supervisor? Yes ☐ No ☐

How adequately were you compensated for your efforts during the work session in terms of:

<table>
<thead>
<tr>
<th></th>
<th>Poor</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salary</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recognition by co-workers</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

How actively were your suggestions solicited for improvements in:

<table>
<thead>
<tr>
<th></th>
<th>Poor</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-Op Program with employer</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Business/Technical Matters</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

What new skills did you learn during this Co-Op session?

Suggestions for improvement of the program (use back of page if necessary):