Sample Work Plan
Purdue University – Professional Practice Programs
Co-Op Program – Postings

Work Session 1 Start Date:       May 23, 2016
Work Session 1 End Date:        Aug. 19, 2016
Work Session 1 City / State / Country:  Cincinnati / Ohio / USA

Work Session 1 Position Description:
Orientation and Introduction to Company processes under the direct supervision of an engineer. Background developed on safety procedures, work rules, payroll, accounting, quality control, laboratory, and work site(s). Overview on the company philosophy and group objectives and goals. Individual tasks defined as to scope and content. Attend short courses (in house and outside) on various topics. Job assignments would typically be in one process technology (olefins, aromatics, polymers, etc). Typical work would be to take unit surveys, seeing that products stay on specifications within quality parameters, develop SPC charts, adjust feedstocks for optimum product yields based on model predictions, investigate process upsets, and identify problem areas.

Work Session 1 Department Co-Op Assigned To:  Quality Control

Work Session 2 Start Date:       Jan. 9, 2017
Work Session 2 End Date:        June 2, 2017
Work Session 2 City / State / Country:  Cincinnati / Ohio / USA

Work Session 2 Position Description:
The student will assist engineers in areas such as:
-Environmental audits and emissions monitoring
-Utilities for production units
-Improved process performance based on computer simulations (such as distillation)
-Design and/or recommend changes on limiting equipment
-Perform heat and material balances on process units
-Maintain liaison link with operations, lab, and management.
The student will usually work as a member of a team with other engineers on a larger scale engineering project, in addition to his/her individual assignment

Work Session 2 Department Co-Op Assigned To:  Process Engineering
Work Session 3 Start Date: Aug. 21, 2017
Work Session 3 End Date: Dec. 22, 2017
Work Session 3 City / State / Country: Boston / Massachusetts / USA

Work Session 3 Position Description:
The student will work closely with the engineers, operating personnel, and instrument technicians. The student will lead smaller scale engineering project or studies, pulling in assistance/expertise from others as needed. The student will gain more experience in troubleshooting by leading troubleshooting efforts. The student may take the lead on plant trials or tests.

Work Session 3 Department Co-Op Assigned To: Product Manufacturing