Catalog Description
Employment in chemical, petroleum, food, biotechnology, materials, environmental or pharmaceutical industry with opportunity for professional experience and training in chemical engineering. Requires written report covering work period approved by employer. May be repeated for a maximum of 6 credits. Arrangements must be made prior to employment. Restricted to majors.

Prerequisites: Consent of department head.

Textbook: none

Course Objectives
• Provide educational and work experiences that are directly related to the BSCHE curriculum and the student's career goals.
• Develop student understanding of the demands, responsibilities, and opportunities of professional employment.
• Provide an opportunity for the student to apply principles and techniques learned in the CHME curriculum to real life problem-solving situations.
• Help the student to gain a better understanding of decision-making and implementation processes.

Reporting Requirement
A written report is required describing the work session. The report should describe assigned projects and associated outcomes during the period of employment. Students must also schedule and complete an exit interview with the department head.

The nature of activities performed during a work session by a CHME student can vary widely. The following general workplace topics should also be addressed in the report:

• Provide background about yourself:
  o name and hometown
  o explain why you choose NMSU CHME
  o highest CHME course completed from: 102, 201, 305, 306, 307, 452, 455
• State the objective(s) of your work session as defined by your employer. Discuss how these objectives were met. Comment about the extent to which your Chemical Engineering education prepared you to accomplish these tasks.
• Describe the value placed on safety in the workplace. Define your responsibilities relative to safety.
• Discuss the extent to which communication skills were a part of the job. Summarize the various means of communication that you employed.

Reports must be approved by the employer for posting to the chme.nmsu.edu website and conform to the standards of the writing guide as described in the CHME Common Syllabus Addendum (http://chme.nmsu.edu/academics/syllabi/). Reports will be graded for clarity of communication, document structure, and grammar.

Instructor - David A. Rockstraw, Ph. D., P. E., JH 259A

Syllabus Preparation Date- 8/22/14