



# Independent Studies in Chemical Engineering

The University of Toledo  
College of Engineering  
CHEE 4980

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<b>Instructor:</b>	Chemical Engineering faculty	<b>Class Day/Time:</b>	Determined by student and faculty
<b>Class Location:</b>	Determined by student and faculty	<b>Credit Hours:</b>	1-4 hours (variable)

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## COURSE/CATALOG DESCRIPTION

Independent studies in chemical engineering - upper division.

## STUDENT LEARNING OUTCOMES

Student will participate in a learning experience to be determined by the faculty. The course may involve a combination of lecture, recitation, laboratory, and/or field experience. The learning opportunity typically involves a topic that is of interest to an individual student.

Specific outcomes will depend on the course topic and can include:

- Conduct, summarize and/or present a comprehensive literature review in the topical area
- Participate in a field experience that requires application of chemical engineering principles
- Analyze the literature in an emerging engineering area
- Develop novel instructional content or techniques for an existing or new class
- Perform experiments and analyze data in support of a research project
- Present projects and results in a format acceptable for publication/presentation

## PREREQUISITES AND COREQUISITES

Admission to the undergraduate program and upper division status.

## REQUIRED TEXTS AND ANCILLARY MATERIALS

No textbooks required.

## UNIVERSITY POLICIES

The University is an equal opportunity educational institution. Please read [The University's Policy Statement on Nondiscrimination on the Basis of Disability Americans with Disability Act Compliance](#).

## Academic Accommodations

The University of Toledo is committed to providing equal access to education for all students. If you have a documented disability or you believe you have a disability and would like information regarding academic accommodations/adjustments in this course please contact the [Student Disability Services Office](#).

## GRADING

Course grading is pass (S) or unsatisfactory (U).

## COURSE SCHEDULE

Appropriate schedule to be determined by student and faculty.