



## Graduate Industrial Internship

The University of Toledo  
College of Engineering  
CHEE 6970

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<b>Instructor:</b>	Glenn Lipscomb	<b>Class Location:</b>	field experience, not applicable
<b>Email:</b>	glenn.lipscomb@utoledo.edu	<b>Class Day/Time:</b>	field experience, not applicable
<b>Office Hours:</b>	by appointment	<b>Lab Location:</b>	field experience, not applicable
<b>Office Location:</b>	NI 3046	<b>Lab Day/Time:</b>	field experience, not applicable
<b>Office Phone:</b>	(419) 530-8088	<b>Credit Hours:</b>	1-6 (variable)

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### COURSE/CATALOG DESCRIPTION

Academic advisor approved industrial or non-profit internship to provide an experiential learning component to the PSM track in the Master's degree program.

### STUDENT LEARNING OUTCOMES

Students will participate in an internship at an industry, governmental organization, or non-governmental organization in an area relevant to green chemistry and engineering. The internship will culminate in submission of a written report documenting the duration of the internship, hours worked, nature of the work, and products of the work. Specific outcomes and associated products will be determined by the sponsor in conjunction with the instructor and can include:

- Conduct, summarize and/or present a comprehensive literature review in the topical area
- Develop new manufacturing processes or modify existing processes for enhanced sustainability
- Formulate new products or reformulate existing products for enhanced sustainability
- Evaluate product and/or process sustainability metrics
- Develop sustainability protocols and methodology
- Gather and/or develop relevant data needed to evaluate sustainability
- Analyze data and discuss results in written reports
- Present projects and results in a format acceptable for publication/presentation

### PREREQUISITES AND COREQUISITES

Admission to Master's Program in Chemical Engineering

### 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 (PS) or no credit (NC). The Professional Science Masters program director must provide prior approval for all internships. Student learning outcomes will be assessed through an employer evaluation completed at the end of the semester. This evaluation must be submitted in order for the student to receive passing credit. Final grade also is subject to approval of written report.

### **COURSE SCHEDULE**

This course is a field experience and has no lecture schedule.