Frequently Asked Questions

Q: How do I sign up for the undergraduate research course?

Answer:

1. **Find a faculty supervisor.** Approach a faculty member who is doing research that interests you and request to work with them. Together you will settle on the research project details (see back for more information).
2. **Pass the department's safety test.** Contact Scott Wendt to take the department's safety test.
3. **Complete the enrollment request form.** Go to the Department's undergraduate research webpage to complete the enrollment request form. https://www.mtu.edu/chemical/undergraduate/research/
4. **Verify your registration.** You will be contacted once you've been enrolled in the class. Verify your registration by checking your schedule on Banweb.

Q: What does the research credit count towards?

Answer: Up to 6 credits total of undergraduate research may count towards core engineering electives. Additional credit may count towards free electives.

Q: May I do research for more than one semester and for more than one faculty supervisor?

Answer: Yes.

Q: May I enroll in research in the summer?

Answer: Yes, if your faculty supervisor agrees.

Michigan Technological University
Chemical Engineering

Alternative Energy
R. Ong – biofuels
D. Shonnard - biofuels

Bioengineering
A. Da Costa – membrane separation
C. Heldt – biochemical engineering
A. Minerick – bioengineering
R. Ong – biofuels
D. Shonnard – bioprocessing

Mineral Processing Engineering
A. Da Costa – membrane separation
T. Eisele – mineral processing
S. K. Kawatra – mineral processing
L. Pan – mineral processing

Polymer Engineering
G. Caneba – polymers
J. King – polymer composites
F. Morrison – polymer rheology

Process Safety Design and Control
T. Co – advanced process control
A. Da Costa – process safety
T. Rogers – chemical property data
J. Sandell – fire protection

Nanotechnology
G. Caneba – nanotech
M. Mullins – new materials

Updated 5/16/2018

Undergraduate Research in Chemical Engineering at Michigan Tech

Research is the production of new knowledge, and at Michigan Tech undergraduates who are interested in research are welcome to join with faculty members to conduct research in a wide variety of fields. Undergraduate research may be taken for credit (1-3 credits for 3-9 hours/week of research work) and counts in the curriculum as a core engineering elective.

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906-487-3132

Chemical Engineering Advising
cmadvise@mtu.edu
Chem Sci 202M, 906-487-4327
http://www.mtu.edu/chemical/undergraduate/advising/

Undergraduate Research Worksheet

You will need the following information regarding your safety test.

Date of safety test in which you passed. A score of 80% or higher on the department's lab safety test. Contact Scott Wendt to take the test.

You will need the following information from your faculty supervisor.

Research course in which you are to be enrolled. The course is based on your research topic.

CM 4020 - Mineral Processing CM 4040 – Bioeng'g, not biofuels CM 4060 – Polymer Eng'g

CM 4080 – Biofuels CM 4000 – Other topics

Semester in which you are to be enrolled.

Your work/credit load. Three credits max per semester.

3 hrs/week = 1 cr 6 hrs/week = 2 cr 9 hrs/week = 3 cr

Title of project.

Brief summary of project.

Type of final report required. Creating a poster is recommended even if it's not required because it will allow you to participate in events that are great career building opportunities at Michigan Tech and professional conferences.

Written Poster Oral Presentation None

Submit the above information on the Department's undergraduate research webpage.

https://www.mtu.edu/chemical/undergraduate/research/

DUE: Friday of the first week of classes.