

Frequently Asked Questions

Q: How do I sign up for undergraduate research?

Answer: First, you must approach a faculty member who is doing research that interests you, and request to work with them.

Together, you will settle on a research topic and decide the number of credits you will pursue. Then fill out the *Undergraduate Research* form (see other side) with your research advisor and contact Scott Wendt to take the safety test. Once you have passed the safety test, drop off the completed form in the main CM office (203 Chem Sci). A waiver will be entered and you will then be able to enroll yourself in the undergraduate research course on Banweb.

Q: What does the research 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 research advisor?

Answer: Yes.

Q: May I enroll for undergrad research in the summer?

Answer: Yes, if your research advisor agrees.



Michigan Technological University
Chemical Engineering

Alternative Energy

R. Ong – biofuels
D. Shonnard - biofuels
W. Zhou – biofuels

Bioengineering

C. Heldt – biochemical engineering
A. Minerick – bioengineering
R. Ong – biofuels
D. Shonnard – bioprocessing
W. Zhou – biofuels

Mineral Processing Engineering

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. Rogers – chemical property data
T. Co – advanced process control
J. Sandell – fire protection

Nanotechnology

G. Caneba – nanotech
M. Mullins – new materials

Advisors:

Ms. Katie Torrey
Dr. John Sandell

Updated 5/2/2017

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.

Department of Chemical Engineering

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Houghton, MI 4993101295
906-487-3132

Chemical Engineering Advising

Email: cmadvise@mtu.edu
ChemSci 202M 906-487-4327
<http://www.mtu.edu/chemical/undergraduate/advising/>

Undergraduate Research

Course Request Information

M#: M Name: _____ Email: _____

Faculty Name: _____ Semester: _____

Circle the course that best fits 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

CRN: _____ Section: _____

Circle the work load/credits requested (3 credits max per semester):

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

Note: Up to 6 credits can count towards your core engineering electives. Additional credits can count towards your free electives.

Project Description

Title of project: _____

Brief summary of the project:

Which type of report is required?

Written Poster Oral Presentation None

****Please plan to participate in the Department's Student Research Forum held during fall semester.**

This is an opportunity for you to present a poster of your research experience.

Student Signature and date

Faculty Signature and date
(I AGREE to supervise this project.)

Contact Scott Wendt after completing this form to take the safety test (srwendt@mtu.edu). Once you have passed the safety test, drop off this completed form in the main Chem Eng office (ChemSci 203). You will be contacted via email when you are able to register yourself for the class.

Office Use

Safety Test Score: _____ Date: _____ Passing score: 80%

Waiver Entered By: _____ Date: _____

Student Notified

Copy in faculty mailbox (put original in advisor's mailbox)