

Co-op Intensive Four-Year Academic Plan

For accelerated students

B.S. in Chemical Engineering



Michigan Tech
Chemical Engineering

If you come in with credit for a full-year of university chemistry and calculus I then you have some flexibility with your schedule. This suggested schedule shows you how to fit in a 6-month co-op without delaying your graduation. Prior **engineering work experience**, through a co-op or internship, is the **number one item industry recruiters look for** on your resume when hiring full-time employees. With this schedule you would also be able to fit in minor, such as a minor in *Alternative Energy Technology*, *Bioprocess Engineering*, *Mineral Processing*, or *Polymer Science and Engineering*.

Freshman Year

Fall Semester

Fall Freshman Classes

+ Funds of ChE I + Calc II

Most of these classes are offered in the fall, spring, and summer.

Spring Semester

Spring Freshman Classes

+ Funds of ChE II + Calc III

Most of these classes are offered in the fall, spring, and summer.

Summer Semester

Organic Chem I & II lect +
Organic Chem I lab + General
education

Sophomore Year

Fall Semester

Spring Sophomore Classes

+ P Chem + Course for minor

Most of these classes are offered in the fall, spring, and summer.

Spring Semester

Co-op (or Fall Junior Classes)

On co-op for 6 months (spring-summer) or
(summer-fall)

Summer Semester

Co-op or Internship
See back for the difference between a co-op
and internship

With only a few exceptions, you **must be done with all of your freshman and sophomore classes** (particularly MATH and CM) **before you can start the junior CM classes.**

Junior Year

Fall Semester

Fall Junior Classes (or Co-op)

+ ChE Thermo + Course for minor
These classes are offered in fall and spring
and are prereqs for the spring junior classes.

Spring Semester

Spring Junior Classes

+ Course for minor

These classes are **only** offered in the spring
and are prereqs for the fall senior classes.

Summer Semester

REU Research
or another co-op/internship

Senior Year

Fall Semester

Fall Senior Classes

+ Course for minor

These classes are **only** offered in the fall and
are prereqs for the spring senior classes.

Spring Semester

Spring Senior Classes

+ Course for minor

These classes are **only** offered in the spring.
**Graduate in four years with six months of
industrial experience!**

Co-op Frequently Asked Questions

Q: Does the co-op class count towards my chemical engineering degree at all?

Yes. Up to 6 credits of co-op (UN 3002, UN 3003, UN 3004, UN 3005) can count towards your technical electives. Co-op credit may also be used as free electives.

Q: Will I be paid while on co-op?

Yes! Engineering co-ops and internships are usually paid positions. Some companies also provide assistance with housing, tuition, and relocation costs while on co-op.

Q: What are the requirements for going on co-op?

To participate in the program you must have sophomore class standing, a GPA of 2.20 or better, and be in good academic and social standing.

Q: What is the difference between a co-op and an internship?

A co-op is when you are earning college credit while working, and an internship is when you are not earning college credit while working. During the fall and spring semesters some students need to be full-time students for financial aid or insurance reasons. In this case, you must sign up for the 2 credit co-op class, which will give you full-time status at Michigan Tech. During the summer it is up to you whether or not to seek the co-op credit.

Q: What happens to my financial aid while I am co-op?

This varies from student to student, depending on what types of scholarships and financial aid that you have. You will need to talk to the staff in the Financial Aid Office to determine how the co-op will affect your particular situation.

Q: How do I register for my co-op class?

Congratulations on getting a co-op! Be sure to keep a copy of your offer letter/email because you will need this to register for your co-op class. There will be paperwork you and your employer will need to complete. Go to the Career Services webpage for the forms and directions on how to sign up for the co-op class. You will also be required to meet with your advisor to ensure that you understand how your co-op will affect your graduation timeline. Once you have completed the paperwork Career Services will register you for the co-op class.

Q: Will I receive a grade for my co-op class?

Yes. The co-op class is a graded, online course that you will complete while on co-op.

More questions about how a co-op works?
Check out the FAQs on the Career Services webpage.
<http://www.mtu.edu/career/>