

# Two Plus Two-and-a-Half-Year Academic Plan

For transfer students (begin in May)

## B.S. in Chemical Engineering



Michigan Tech  
Chemical Engineering

This suggested schedule is for students planning to transfer to Michigan Tech from another school. Students should transfer in all the classes in the red box (61 credits). Two sophomore-level fundamentals of chemical engineering classes must be taken before you can take the junior-level chemical engineering classes in the fall.

### Freshman Year

#### Fall Semester

Course	Title	Cr
CH 1150	Univ Chem I	3
CH 1151	Univ Chem I Lab	1
CH 1153	Univ Chem I Rec	1
ENG 1101	Eng Analysis	3
MA 1160	Calc with Tech I	4
PH 1100	Phys by Inquiry I	1
UN 1015	Compositions	3
Co-Curric*		
<b>Total</b>		<b>17</b>

#### Spring Semester

Course	Title	Cr
CH 1160	Univ Chem II	3
CH 1161	Univ Chem II Lab	1
ENG1102	Eng Modeling	3
MA 2160	Calc with Tech II	4
PH 2100	Univ Physics I	3
UN 1025	Global Issues**	3
<b>Total</b>		<b>17</b>

First semester at  
Michigan Tech:  
summer



### Sophomore Year

#### Fall Semester

Course	Title	Cr
CH 2410	Organic Chem I	3
CH 2411	Organic Chem Lab I	1
MA 3160	Multivar Calc	4
PH 1200	Phys by Inquiry II	1
	Crit&Creat Thinkg*	3
Co-Curric*		
<b>Total</b>		<b>13</b>

#### Spring Semester

Course	Title	Cr
CH 2420	Organic Chem II	3
MA 2321	Elem Lin Algebra	2
MA 3521	Elem Diff Eqns	2
PH 2200	Univ Physics II	3
	Social Resp&Eth*	3
Co-Curric*		
<b>Total</b>		<b>14</b>

#### Summer Semester

Course	Title	Cr
CM2110	Fund of ChE I <sup>†</sup>	3
CM2120	Fund of ChE II <sup>†</sup>	3
<b>Total</b>		<b>6</b>

### Junior Year

#### Fall Semester

Course	Title	Cr
CH 3510	Physical Chem I	3
CH 3511	Physical Chem Lab I	2
CM 1000	Introduction to Chemical Engg	1
CM 3110	Transport I	3
CM 3215	Fund of ChE Lab	3
	Tech Elective	3
	HASS Course*	3
<b>Total</b>		<b>18</b>

#### Spring Semester

Course	Title	Cr
CM 3120	Transport II	3
CM 3230	Thermo for ChE	4
CM3310	Process Control	3
CM 3510	Chemical Rxn Eng	3
	HASS Course*	3
<b>Total</b>		<b>16</b>

### Senior Year

#### Fall Semester

Course	Title	Cr
CM 4110	Unit Ops Lab	3
CM 4310	Process Safety/Env	3
CM 4855	ChE Proc Anal & Design I	3
	Tech Elective*	3
	Tech Elective*	2
	HASS Course* (3000+ level)	3
<b>Total</b>		<b>17</b>

#### Spring Semester

Course	Title	Cr
CM 4120	Plant Ops Lab	3
CM 4860	ChE Design II	2
CM 4861	ChE Design Lab II	1
	Core Engineering Elective*	4
	HASS Course* (3000+ level)	3
	Free Elective*	3
<b>Total</b>		<b>16</b>

\*See back of standard plan for description. † May be offered online fall or summer. ‡ May be offered online spring or summer. \*\*a 3000-level or higher modern language course may be used in place of UN 1025 Global Issues.

*This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.*

Updated 5/16/2018