

Michigan Technological University

Minor in Chemistry

Program Code: SCHM, Academic Year 2018-19

Department of Chemistry

Total Credits Required: 18

Required Courses

Course	Credits
CH 2212* Quantitative Analysis (5)	
CH 2420 Organic Chemistry II (3)	
CH 3510 Physical Chemistry I - Thermodynamics, Equilibrium and Kinetics (3)	

*CH4222 (5) will be accepted in place of CH2212

Elective Courses: choose courses to achieve a minimum of 18 credits

Course	Credits
CH 3520 Physical Chemistry II (3)	
CH 3521 Physical Chemistry II Lab (2)	
CH 4240 Advanced Mass Spectrometry (3)	
CH 4241 Advanced Mass Spectrometry Lab (1)* <i>and</i> CH 4240 Advanced Mass Spectrometry (3)	
CH 4310 Inorganic Chemistry (3)	
CH 4311 Inorganic Chemistry Lab (2)	
CH 4412 Spectroscopy of Organic Chemistry (3)	
CH 4516 Aerosol and Cloud Chemistry (3)	
CH 4610 Intro to Polymer Science (3)	
CH 4620 Polymer Chemistry (3)	
CH 4631 Polymer Science Lab (2)	
CH 4710 Biomolecular Chemistry I (3)	

*CH4241 – Cannot take the lab without the lecture

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C:

CH4240 (CH4212 or CH4222), CH4241 ((CH4240) and CH4212 or CH4222), CH4516 (CH3510 or CH3520 or CEE4501 or CEE4504), CH4631 (CH4610 C or CM4610 C), CH2420 (CH2410 or CH2400), CH3510 (CH1122 or (CH1160 and CH1161) and MA2160 and PH2200 C), CH3520 (CH1120 or (CH1160 and CH1161) and PH2200 C and MA3160), CH2212 (CH1120 or (CH1160 and CH1161)), CH3521 (CH3520 C), CH4310 (CH3520), CH4710 (CH2420), CH4610 (CH1120 or (CH1160 and CH1161)), CH4412 (CH2420), CH4311 (CH4310 C), CH4620 (CH2420 or CH2400)