

Michigan Technological University**Minor in Chemistry**

Program Code SCHM, Academic Year 2021-22

Department of Chemistry

Total Credits Required: 18

Required Courses: 11 credits

Course	Credits
CH 2212* Quantitative Analysis <i>Prereqs: CH1122 or (CH1160 and CH1161) Note: CH4222 will be accepted in place of CH2212</i>	5
CH 2420 Organic Chemistry II <i>Prereqs: CH2410 or CH 2440 Synthetic Organic Chemistry (3) Prereq: CH2430]</i>	3
CH 3510 Physical Chemistry I - Thermodynamics, Equilibrium and Kinetics <i>Prereqs: CH1122 or (CH1160 and CH1161) and MA2160 and PH2200 C</i>	3

Elective Courses: minimum of 7 credits

Course	Credits
CH 3520 Physical Chemistry II <i>Prereqs: CH1122 or (CH1160 and CH1161) and PH2200 C and MA3160</i>	3
CH 3521 Physical Chemistry II Lab <i>Prereqs: CH3520 C</i>	2
CH 4240 Advanced Mass Spectrometry <i>Prereqs: CH4212 or CH4222</i>	3
CH 4241 Advanced Mass Spectrometry Lab <i>Prereqs: CH4240 C and (CH4212 or CH4222)</i> and CH 4240 Advanced Mass Spectrometry <i>Prereqs: CH4212 or CH4222</i>	4
CH 4310 Inorganic Chemistry <i>Prereqs: CH3520</i>	3
CH 4311 Inorganic Chemistry Lab <i>Prereqs: CH4310 C</i>	2
CH 4412 Spectroscopy of Organic Chemistry <i>Prereqs: CH2420 or CH2440</i>	3
CH 4516 Aerosol and Cloud Chemistry <i>Prereqs: CH3510 or CH3520 or CEE4501 or CEE4504</i>	3
CH 4610 Intro to Polymer Science <i>Prereqs: CH1122 or (CH1160 and CH1161)</i>	3
CH 4620 Polymer Chemistry <i>Prereqs: CH2420 or CH2440</i>	3
CH 4710 Biomolecular Chemistry I <i>Prereqs: CH2420 or CH2440</i>	3