Michigan Technological University
Minor in Chemistry
Program Code SCHM, Academic Year 2023-24
Department of Chemistry
Total Credits Required: 18

Required Courses: 11 credits

- CH 2210 Quantitative Analysis (3) Prereqs: CH1122 or (CH1160 and CH1161) Note: CH4220 and CH4221 will be accepted in place of CH2210 and CH 2211
- CH 2211 Quantitative Analysis Lab (2) Prereqs: CH 1122 or (CH1160 and CH1161) and CH2210
- CH 2420 Organic Chemistry II (3) Prereqs: CH2410 or CH 2440 Synthetic Organic Chemistry (3) Prereq: CH2430
- CH 3510 Physical Chemistry I - Thermodynamics, Equilibrium and Kinetics (3) Prereqs: CH1122 or (CH1160 and CH1161) and MA2160 and PH2200 C

Elective Courses: minimum of 7 credits

- CH 3520 Physical Chemistry II (3) Prereqs: CH1122 or (CH1160 and CH1161) and PH2200 C and MA3160
- CH 3521 Physical Chemistry II Lab (2) Prereqs: CH3520 C
- CH 4240 Advanced Mass Spectrometry (3) Prereqs: CH4212 or CH4222
- CH 4241 Advanced Mass Spectrometry Lab (1) Prereqs: CH4240 C and CH4212 or CH4222
  - and CH 4240 Advanced Mass Spectrometry (3) Prereqs: CH4212 or CH4222
- CH 4310 Inorganic Chemistry (3) Prereqs: CH3520
- CH 4311 Inorganic Chemistry Lab (1) Prereqs: CH4310 C
- CH 4412 Spectroscopy of Organic Chemistry (3) Prereqs: CH2420 or CH2440
- CH 4516 Aerosol and Cloud Chemistry (3) Prereqs: CH3510 or CH3520 or CEE4501 or CEE4504
- CH 4610 Intro to Polymer Science (3) Prereqs: CH1122 or (CH1160 and CH1161)
- CH 4620 Polymer Chemistry (3) Prereqs: CH2420 or CH2440
- CH 4710 Biomolecular Chemistry I (3) Prereqs: CH2420 or CH2440