

Polymer Chemistry Minor

University of Michigan - Department of Chemistry

Effective: Fall 2019

The Polymer Chemistry minor provides concentrated exposure to a specialization within Materials Science from a chemical sciences perspective.

Exclusions: The Polymer Chemistry minor is NOT open to student's majoring in:

Chemistry Chemical Science Interdisciplinary Chemical Sciences
 Biochemistry Biomolecular Science

Prerequisites:

- AP credit for Physics (125 or 139) will fulfill the Physics requirement.
- AP credit for Math (120) will fulfill the Math requirement.

Course #	Course Description	Completed	Typically Offered	Credits
PHYS 135 OR PHYS 140	Physics for the Life Sciences I General Physics I		<i>F, W, Sp</i> <i>F, W, Sp</i>	4 4
MATH 115	Calculus I		<i>F, W, Sp, Su</i>	4

Minor Program requirements (at least 18 credit hours):

Core courses

Course #	Course Description	Completed	Typically Offered	Credits
* CHEM 210	Structure and Reactivity I		<i>F, W, Sp</i>	3
CHEM 211	Investigations in Chemistry: Laboratory		<i>F, W, Sp</i>	2
CHEM 215	Structure and Reactivity II		<i>F, W, Sp</i>	3
CHEM 260 OR CHEM 370	Chemical Principles Physical and Chemical Principles Behind Biology and Medicine		<i>F, W, Sp</i> <i>F</i>	3 3
CHEM 302 OR CHEM 303	Inorganic Chemistry: Principles of Structure, Reactivity, and Function Introductory Bioinorganic Chemistry: the Role of Metals in Life		<i>W</i> <i>F, W</i>	3 3
CHEM 436	Polymer Synthesis and Characterization		<i>W</i>	3
CHEM 538	Organic Chemistry of Macromolecules		<i>W</i>	3

NOTES:

* Students who do not place into CHEM 210 are strongly recommended to take CHEM 130. CHEM 130 or AP credits earned for CHEM 130 DO NOT count toward the minor.