

POLYMER SCIENCE, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Requirements

Requirement	Credits
Requirements for the Minor	23

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (<https://senate.psu.edu/students/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/>). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		
CHEM 210	Organic Chemistry I	3
MATH 231	Calculus of Several Variables	2
MATSE 443		3
Additional Courses		
<i>Additional Courses: Require a grade of C or better</i>		
Select 3 credits of the following:		3
BMB 474	Analytical Biochemistry	
EMCH 446	Mechanics of Viscoelastic Materials	
MATSE 447	Rheology and Processing of Polymers	
MATSE 473	Polymeric Materials Laboratory--Synthesis	
MATSE 474		
MATSE 494W	Research and Design Senior Project	
MATSE 496	Independent Studies	
Select 12 credits of the following:		12
MATSE 441	Polymeric Materials I	
MATSE 442		
MATSE 444		
MATSE 445	Thermodynamics, Microstructure, and Characterization of Polymers	
MATSE 446	Mechanical and Electrical Properties of Polymers and Composites	