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

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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/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10). 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: Require a grade of C or better
CHEM 210 | Organic Chemistry I                             | 3       |
MATH 231 | Calculus of Several Variables                   | 2       |
MATSE 443 | Introduction to the Materials Science of Polymers | 3       |
Additional Courses: Require a grade of C or better
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 |         |