

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 Description

The goal of the Polymer Science minor is to produce graduates who have a first-hand knowledge of the relationships between the synthesis, structure, properties, and processing of polymer materials. Students are required to take MATSE 443, MATSE 441; MATSE 445; MATSE 446; MATSE 447 which provide a broad overview of the subject, then select 3 credits chosen from a suite of courses that deal with polymer synthesis, microstructure and morphology, properties, and processing.

What is Polymer Science?

Polymer scientists investigate long-chain molecules, which include plastics, cellulose (found in trees and paper), DNA, and more. Polymers have unique chemical and physical properties; understanding these properties involves aspects of organic chemistry, physical chemistry, analytical chemistry, contemporary physics, chemical engineering, mechanical engineering, and electrical engineering.

You Might Like This Program If...

- You like investigating polymer materials at the micrometer and nanometer scales.
- You enjoy combining a variety of physical and biological sciences to understand how organic molecules behave.
- You are interested in pursuing a career in polymer materials design, or the process of designing polymer materials for specific applications.