

# POLYMER ENGINEERING AND SCIENCE, B.S.

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**Begin Campus:** Any Penn State Campus

**End Campus:** Erie

## Program Description

The PES degree will be built upon the established Penn State University Engineering Baccalaureate degree foundations, with emphasis in the behavior and manipulation of bulk polymer materials. The relationships between polymer processing and chemical and micro structure/property development will be emphasized and a comprehensive understanding of bulk, micro and nano polymer characterization techniques will be stressed. Polymer composite formulation, including polymer/filler interfacial chemistry and failure analysis of polymer products are also important aspects of the PES graduate principal knowledge.

## What is Polymer Engineering and Science?

Simply put, polymer engineers and scientists study the materials that make up our world. With the B.S. in Polymer Engineering and Science, you'll learn to analyze the character and structure of materials and use that knowledge to design innovative new products.

### You Might Like This Program If...

- You like chemistry, math, and physics.
- You like working on team-based projects.
- You're curious about why materials behave the way they do.
- You've ever wondered how polymers are made and then used to create other things.