

College of Technology – Plastics and Rubber Department

Polymer Materials Technology – minor

College: Technology

Why choose to minor in Plastics Materials Technology?

The polymer materials technology minor is intended for non-Plastics /Rubber majors who are interested in the polymer industry. This minor is intended to complement existing degrees within FSU. Affording students a technical focus which could result in employment opportunities in the 4th largest industry in the United States.

Students will:

- Understand and learn the terminology in the plastics and rubber industry.
- Know the most used materials and their significant properties and applications
- Learn how to measure and evaluate polymer materials by their physical and mechanical properties
- Know the major polymer suppliers associated with the industry
- Know and understanding of typical rubber and plastics fabrication techniques
- Understand polymer materials selection as it relates to materials and product design

ADMISSION REQUIRMENTS:

Approval from the Plastics and Rubber department and satisfying prerequisites.

Prerequisite:

- **Chemistry 121 Science elective (5 credits) or equivalent**
(University Scientific understanding)
- **Math 116/115 or equivalent**

Required Courses:

	<u>Credits</u>
PLTS 100 Survey of Plastics & Elastomers	2 _____
RUBR 110 Intro to Rubber Technology	3 _____
PLTS 110 Intro to Plastics Technology	3 _____
PLTS 223 Plastics Testing & Properties (Math 116/CHEM 121/PLTS 110)	5 _____
PLTS 342 Plastics Material Selection	3 _____
PLTS 361 Plastics Composites	2 _____

GRADUATION REQUIREMENTS:

An academic minor may only be awarded upon completion of a baccalaureate at Ferris State University

A 2.0 gpa must be maintained for this minor to be granted

MORE INFORMATION:

College of Technology
Robert Speirs, Professor and Department Chair
Plastics and Rubber department
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Email: speirsr@ferris.edu

**COLLEGE OF TECHNOLOGY
PLASTICS AND RUBBER DEPARTMENT
Polymer Materials Technology
MINOR CHECKSHEET (18 Credits)**

Prerequisite:

- **Chemistry 121 Science elective (5 credits) or equivalent**
(University Scientific understanding)
- **Math 116/115 or equivalent**

Required Courses:

	<u>Credits</u>
PLTS 100 Survey of Plastics & Elastomers	2 _____
RUBR 110 Intro to Rubber Technology	3 _____
PLTS 110 Intro to Plastics Technology	3 _____
PLTS 223 Plastics Testing & Properties <small>(Math 116(115)/ CHEM 121 / PLTS 110)</small>	5 _____
PLTS 342 Material Selection	3 _____
PLTS 361 Plastics Composites	2 _____

Meeting the requirements for this minor is the responsibility of the student. The student is also responsible for meeting all FSU General Education requirements as outlined in the university catalog. Your advisor is available to assist you