

# POLYMER ENGINEERING, MSPE

Submit the written master's thesis to the Graduate School by the required deadlines.

## Master of Science in Polymer Engineering

The major emphases of the graduate program in polymer engineering are in polymer processing, engineering performance and structural and rheological characterization of polymers.

Students in Polymer Engineering will earn the degree of Master of Science in Polymer Engineering. Requirements for the degree are as follows:

- Complete courses as developed in a plan of study approved by the student's advisor and the department chair.
- A minimum of 30 credits of graduate coursework must be earned.
- A total of 24 credit hours of lecture courses and 6 credit hours of research must be completed.

Code	Title	Hours
<b>Polymer Engineering Core</b>		
9841:611	Fundamentals of Polymer Structure Characterization	3
9841:621	Rheology of Polymer Fluids	3
9841:641	Polymer Chem & Thermodynamics	3
9841:650	Introduction to Polymer Engineering	3
<b>Polymer Engineering 600-level Electives</b>		
Select six credits of the following:		6
9841:601	Seminar in Polymer Engineering	
9841:622	Analysis & Design of Polymer Processing Operations I	
9841:623	Analysis & Design of Polymer Processing Operations II	
9841:631	Engineering Properties of Solid Polymers	
9841:651	Polymer Engineering Laboratory	
9841:661	Polymerization Reactor Engineering	
9841:675	Carbon-Polymer Nanotechnology	
9841:680	Polymer Coatings	
<b>Technical Electives</b>		
Select six credits of the following:		6
4300:681	Advanced Engineering Materials	
4600:622	Continuum Mechanics	
9871:613	Polymer Science Laboratory	
9871:674	Polymer Characterization	
9841:666	Research Methods	
9841:797	Advanced Topics in Polymer Engineering	
<b>Thesis</b>		
9841:699	Masters Thesis	6
Total Hours		30

## Thesis and Oral Defense

Each candidate must pass an oral examination in defense of the thesis.