CHEMICAL ENGINEERING/ POLYMER ENGINEERING, CERTIFICATE

Certificate in Chemical Engineering/ Polymer Engineering (420006C)

Chemical Engineering students may choose to earn a polymer engineering specialization certificate. The goal of this program is to allow engineering students with an interest in chemistry and polymer materials to develop suitable preparation for careers or graduate study in polymer science or polymer engineering without reducing their potential for careers in traditional chemical engineering. Students will have ample opportunity to work with researchers in polymers through their engineering and design electives.

The following information has official approval of the **Department of Chemical, Biomolecular, and Corrosion Engineering** and the **College of Engineering**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a "Certificate in Chemical Engineering / Polymer Engineering" and must be completed with a minimum grade point average of 2.0 overall for the certificate to be noted on the student's record.

Summary

Code	Title	Hours
Core Requirements		3
Electives		6
Total Hours		9

Core Requirements

Code	Title	Hours
4200:408	Polymer Engineering	3
Total Hours		3

Electives

Code	Title	Hours
Polymer Engineering Electives		
Select 3 credits of the following:		**3**
4200:461	Solids Processing	
4700:425	Introduction to Blending & Compounding of Polymers	
or 9841:425	Introduction to Blending & Compounding Polymers	
4700:427	Mold Design	
Polymer Science Electives		
Select 3 credits of the following:		**3**
9871:401	Introduction to Elastomers	
9871:402	Introduction to Plastics	
9871:403	Polymer Chemistry	
9871:407	Polymer Science	
Total Hours		6