



PTC

POLYMER TECHNOLOGY CENTER

TEXAS A&M ENGINEERING EXPERIMENT STATION

Phone: 979-458-0918 Website: <http://ptc.tamu.edu>

Polymer Specialty Certificate

This program is the first of its kind offered in the state of Texas

You can earn a Polymer Specialty Certificate by completing 12 credit hours with a grade of C or above.

REQUIREMENTS

1. Be in good academic standing within major department.
2. Obtain a "C" or better in each course taken in the certificate program.
3. Achieve an overall GPR of 3.0 in approved certificate program coursework.
4. Students should take at least 2 courses outside of their department to receive the Polymer Certificate.
5. Submit completed certificate worksheet to the Polymer Technology Center (225 Reed McDonald Building) upon registering for final course(s) to complete certificate requirements.

BENEFITS

The value of the certificate to the student will be to broaden his or her exposure to a diverse polymer science and engineering curriculum and thereby differentiate the student from peer institutions.

Industry will value graduates with the Polymer Specialty Certificate because they will have a more diverse background in polymers. Further, the graduates will have a focus that would foster entrepreneurial thinking and expand the employment horizons beyond the traditional industrial jobs.

To apply for the Polymer Specialty Certificate visit:
http://ptc.tamu.edu/educ_certifprogram.htm
<http://engineering.tamu.edu/academics/certificates/polymer>

COURSES

CORE COURSES (select 6 credit hours)

AERO 406	Polymer Nanocomposites and Their Applications
AERO 606	Multifunctional Materials
BMEN 482/682	Polymeric Biomaterials
CHEM 466	Polymer Chemistry
CHEN 451	Intro to Polymer Engineering
CHEN 641	Polymer Engineering
MEEN 455	Engineering with Plastics
MEEN 458	Processing & Characterization of Polymers
MEEN 607	Polymer Physical Properties
MEEN 635	Flow and Fracture of Polymeric Solids

APPROVED TECHNICAL ELECTIVES (select 6 credit hours)

MEEN 451	Viscoelastic Solids
MEEN 471	Elements of Composite Materials
MEEN 606	Polymer Laboratories
BMEN 683	Polymeric Biomaterial Synthesis
MEEN 657	Viscoelasticity of Solids and Structure
CHEN 642	Colloidal & Interfacial
*AERO 485 or 491	Individual Research
*BAEN 485 or 491	Individual Research
*BMEN 485 or 491	Individual Research
*CHEM 485 or 491	Individual Research
*CHEN 485 or 491	Individual Research
*ECEN 485 or 491	Individual Research
*MEEN 485 or 491	Individual Research
*AERO 489 or 689	Polymer Related Research
*BAEN 489 or 689	Polymer Related Research
*BMEN 489 or 689	Polymer Related Research
*CHEM 489 or 689	Polymer Related Research
*CHEN 489 or 689	Polymer Related Research
*ECEN 489 or 689	Polymer Related Research
*MEEN 489 or 689	Polymer Related Research
*AERO 685	Polymer Related Research
*BAEN 685	Polymer Related Research
*BMEN 685	Polymer Related Research
*CHEM. 685	Polymer Related Research
*CHEN 685	Polymer Related Research
*ECEN 685	Polymer Related Research
*MEEN 685	Polymer Related Research



TEXAS A&M
UNIVERSITY®

Would you like to be able to stand out in the Polymer Industry? Well, You can by receiving a Polymer Specialty Certificate while you are working on your degree(s).