

# TEXAS A&M ENGINEERING

## Polymer Specialty Certificate

### Worksheet

Student Name: \_\_\_\_\_ Date: \_\_\_\_\_ UIN: \_\_\_\_\_

Email: \_\_\_\_\_

To earn the Polymer Specialty Certificate, a student must complete a minimum of 12 semester credit hours selected from the lists below:

<b>Core Courses (select 6 credit hours)</b>		Semester Taken	Grade Received
AERO 406	Polymer Nanocomposites and Their Applications	_____	_____
AERO 606	Multifunctional Materials	_____	_____
BMEN 482/682	Polymeric Biomaterials	_____	_____
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	_____	_____
CHEM 466	Polymer Chemistry	_____	_____

### 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	_____	_____

\*Up to 3 hours of credit can be used to satisfy approved technical electives with research emphasizing polymers (provided polymer coursework has been initiated). Research must be approved by the Director of the Polymer Technology Center.

**Note:**

1. Students should take at least 2 courses outside of their department to receive the Polymer Certificate.
2. It is recommended that students take 6 hours of coursework above what is required for their degree program. (eff. 06/18/10)
3. Substitution of 489/689 courses may be allowed by approval of the Program Coordinator.
4. This form will be verified by the Polymer Technology Center and approval given upon verification of requirements by the Program Coordinator to earn the certificate.

For the Polymer Technology Center:

Verified by: \_\_\_\_\_

Date: \_\_\_\_\_