

Course of Study for Plastics Engineering
(For students graduating 2012 and beyond)

Freshman Year/Fall Semester		Cr.	Freshman Year/Spring Semester		Cr.
__25.107	Engineering I	2	__25.108	Engineering II	2
__42.101	(Gen. Ed.) College Writing I	3	__42.102	(Gen. Ed.) College Writing II	3
__84.121	Chemistry I*	3	__84.122	Chemistry II*	3
__84.123	Chemistry I Lab	1	__84.124	Chemistry II Lab	1
__92.131	Calculus I*	4	__92.132	Calculus II*	4
__49.201	Economics	<u>3</u>	__95.141	Physics I*	3
		16	__96.141	Fund. Exp. Physics II	<u>1</u>
					17
Sophomore Year/Fall Semester		Cr.	Sophomore Year/Spring Semester		Cr.
__26.001	Plastics Safety Lecture	0	__26.002	Plastics Safety Lecture	0
__26.201	Polymeric Materials I	3	__26.202	Polymeric Materials II	3
__26.215	Plastics Proc. Eng. Lab I	1	__26.212	Dynamics of Systems	1
__26.210	Tech. Communications for Eng.	1	__26.216	Plastics Proc. Eng. Lab II	1
__84.204	Intro. Org.& Polymer Chemistry	3	__26.218	Intro to Plastics Design	2
__92.231	Calculus B - III	4	__26.211	Engineering Mechanics	3
__95.144	Physics II	3	__26.247	Thermodynamics	3
__96.144	Fund. Exp. Physics II	<u>1</u>	__92.234/236	Differential Equations	<u>3</u>
		16			16
Junior Year/Fall Semester		Cr.	Junior Year/Spring Semester		Cr.
__26.001	Plastics Safety Lecture	0	__26.002	Plastics Safety Lecture	0
__26.314	Fluid Flow	3	__26.316	Plastics Processing Lab IV	1
__26.315	Plastics Processing Lab III	1	__26.348	Heat Transfer	3
__26.377	Plastics Processing Eng. I	3	__26.373	Plastics Mold Engineering	3
__26.306	Methods Experimental Analysis	3	__26.378	Plastics Proc. Eng. II	3
__26.381	Polymer Science for Eng. I	3	__26.382	Polymer Science for Eng. II	3
__26.383	Polymer Science I Lab	1	__26.384	Polymer Science II Lab	1
___. . .	(Gen. Ed.) AH**	3	___. . .	(Gen. Ed.) AH**	<u>3</u>
		17			17
Senior Year/Fall Semester		Cr.	Senior Year/Spring Semester		Cr.
__26.001	Plastics Safety Lecture	0	__26.002	Plastics Safety Lecture	0
__26.403	Phys. Properties of Polymers	3	__26.406	Polymer Structure/Properties	3
__26.404	Process Control	3	__26.416	Capstone Design II	1
__26.415	Capstone Design I	1	__26.418	Product & Process Design	3
___. . .	Design Technical Elective***	3	___. . .	(Gen. Ed.) AH**	3
___. . .	(Gen. Ed.) SS**	3	___. . .	(Gen. Ed.) SS**	3
___. . .	Materials Elective***	<u>3</u>	___. . .	Technical Elective	<u>3</u>
		16			16

Total Minimum Credits: 130

- * Appropriate honors courses may be substituted by qualified students. Permission number required.
- ** One course must satisfy the "Diversity" requirements and one course must satisfy the "Ethics" requirement.
- *** The list of "Materials Elective Courses" is on the web site and in the catalog. An upper level materials course given by another Engineering Department can be used as a materials elective if pre-approved by your advisor.
- **** The list of "Design Elective Courses" is on the web site and in the catalog. Note that if you are enrolled in the Business Administration Minor Program, you must take business Law for Engineers (26.537) as the Design Elective.
- **** The list of "Technical Elective Courses" is on the web site and in the catalog. An upper level technical course given by another Engineering Dept. can be used as a technical elective if approved by your advisor. Students enrolled in the Business Administration Minor program must take either 26.507, 26.540, 26.590, or 22.576.