Chemical Engineering

Elective Focus Area

Polymers

General Education Components (15 semester hours)

GEC	courses consistent with career goals	15 s.h.

Statistics Elective (3 semester hours)

22S:039	Probability and Statistics for Engineering and Physical Sciences	3 s.h.

Engineering Elective (3 semester hours)

052:241	Polymer Science and Technology (offered Spring of even years)	3 s.h.

Advanced Chemistry Electives (9 semester hours)

004:131	Physical Chemistry I	3 s.h.
004:132	Physical Chemistry II	3 s.h.
004:144	Physical Measurements	3 s.h.

Free Electives (11 or 12 semester hours from the following list)

Required course

052:242	Polymer Chemistry (offered Spring of odd years)	3 s.h.

Choose 9 s.h. from the following sequences:

Analytical	004:111	Analytical Chemistry I	3 s.h.
	004:112	Analytical Chemistry II	3 s.h.
	004:143	Analytical Measurements	3 s.h.
Biomaterials	051:070	Biomaterials I	4 s.h.
	051:172	Polymers as Biomaterials	3 s.h.
	051:176	Biomaterials Lab	3 s.h.
Composites	057:019	Mechanics of Deformable Bodies	3 s.h.
	051:151	Intermediate Mechanics of Deformable Bodies	3 s.h.
	051:177	Composite Materials	3 s.h.
052:195		Contemporary Topics (polymer topics)	1-3 s.h.
		Advanced Engineering Course(s)	3-9 s.h.
		Advanced Mathematics Course(s)	3-9 s.h.
		Advanced Science Course(s)	3-9 s.h.