

**BACHELOR OF SCIENCE IN CHEMISTRY  
POLYMER CHEMISTRY OPTION  
RECOMMENDED PROGRAM**

**FIRST SEMESTER**

CHEM	111	Intro Chem I	4.0
CHEM	188	Freshman Seminar	1.0
MATH	161	Calculus I	4.0
ENGL	110	English Composition	3.0
_____	_____	Soc. Science Course #1	<u>3.0</u>
		<i>Total S.H.</i>	15.0

**SECOND SEMESTER**

CHEM	112	Intro Chem II	4.0
MATH	211	Calculus II	4.0
COMM	100	Fund. Of Speech	3.0
CHEM	251	Inorganic I	3.0
_____	_____	Soc. Science Course #2	<u>3.0</u>
		<i>Total S.H.</i>	17.0

**THIRD SEMESTER**

CHEM	231	Organic I	4.0
PHYS	231	Physics I	5.0
MATH	311	Calculus III	4.0
WELL	175	Wellness	<u>3.0</u>
		<i>Total S.H.</i>	16.0

**FOURTH SEMESTER**

CHEM	232	Organic II	4.0
PHYS	232	Physics II	5.0
CHEM	265	Quant. Analysis	4.0
_____	_____	Humanities Course #1	<u>3.0</u>
		<i>Total S.H.</i>	16.0

**FIFTH SEMESTER**

CHEM	341	Physical Chemistry I	4.0
CHEM	381	Polymer Chemistry I	4.0
_____	_____	Humanities Course #2	3.0
ENGL	3XX	Advanced Writing	<u>3.0</u>
		<i>Total S.H.</i>	14.0

**SIXTH SEMESTER**

CHEM	342	Physical Chemistry II	4.0
CHEM	482	Polymer Chemistry II	3.0
_____	_____	Humanities Course #3	3.0
_____	_____	Soc. Sciences Course #3	3.0
		<i>Total S.H.</i>	13.0

**SEVENTH SEMESTER**

CHEM	452	Inorganic II	3.0
CHEM	487	Chemistry Seminar	0.5
CHEM	498	Intro to Research (Req)	3.0
CHEM	_____	Chemistry Elective*	4.0
_____	_____	Perspectives Course	3.0
_____	_____	C&E Course #1	<u>3.0</u>
		<i>Total S.H.</i>	14.5

**EIGHTH SEMESTER**

CHEM	465	Analytical Chemistry	4.0
CHEM	488	Chemistry Seminar	0.5
CHEM	_____	Chemistry Elective*	4.0
ITEC	271	Proc Non-Met Materials	3.0
_____	_____	C&E Course #4	<u>3.0</u>
		<i>Total S.H.</i>	14.5

**COMMENTS, NOTES OR RECOMMENDATIONS:**

\* Students opting for ACS Certification in Polymer Chemistry should take Biochemistry I (CHEM 326).

1. Connections and Exploration (C&E) courses #1 and #4 can be satisfied with any approved GenEd course.
2. Cultural Diversity & Community (D) course may be satisfied with approved courses from the GenEd requirements (including Perspectives), the major, the minor, the required related area, or general electives.

The American Chemical Society (ACS) and the Chemistry Department strongly recommend an Introductory Economics course (ECON 101 or 102, for example) and an Introductory Business Administration course (BUAD 101 or 161, for example) among the Social Science (G3) electives, and Elementary Foreign Language (FORL 101 and 102) among the Humanities (G1) electives. ENGL 312 (Technical Writing) is highly recommended.