

# ACADEMIC MAP

## BS-CHEMISTRY OPTION A: ACS CERTIFIED CHEMISTRY

TOTAL 124-129 HRS

\**minimum grade required* †*offered every other year*

### Freshman (Fall Semester) 16 hrs total

CHE 101	General Chemistry I	3 credit hrs	Chem Core C*
CHE 103	Gen. Chem. Lab I	2 credit hrs	Chem Core C*
ENG 101	English Composition	3 credit hrs	Gen. Ed.
MAT 251	Calculus I	3 credit hrs	Spec. Dgr C*
FYS 100	First Year Seminar	1 credit hrs	Gen Ed
CHE 108	Intro. Chemistry Seminar	1 credit hrs	Major C*
	General Elective	3 credit hrs	Elective

### Freshman (Spring Semester) 16 hrs total

CHE 102	General Chemistry II	3 credit hrs	Chem Core C*
CHE 104	Gen. Chem. Lab II	2 credit hrs	Chem Core C*
ENG 102	English Composition	3 credit hrs	Gen. Ed.
	General Elective	3 credit hrs	Elective
MAT 252	Calculus II	3 credit hrs	C*
	Communications Elective	2 credit hrs	Gen. Ed.

### Sophomore (Fall Semester) 17 hrs total

CHE 321	Organic Chemistry I	3 credit hrs	Chem Core C*
CHE 319	Organic Chemistry Lab I	2 credit hrs	Chem Core C*
CHE 311	Quantitative Analysis	5 credit hrs	Chem Core C*
PHY 231	General Physics I	3 credit hrs	Spec. Dgr C*
PHY 235	General Physics Lab I	1 credit hrs	Spec. Dgr C*
MAT 253	Calculus III	3 credit hrs	Spec. Dgr C*

### Sophomore (Spring Semester) 15 hrs total

CHE 322	Organic Chemistry II	3 credit hrs	Chem Core C*
CHE 320	Organic Chemistry Lab II	2 credit hrs	Chem Core C*
PHY 232	General Physics II	3 credit hrs	Spec. Dgr C*
PHY 236	General Physics Lab II	1 credit hrs	Spec. Dgr C*
	Humanities/FA Elective	3 credit hrs	Gen. Ed.
	Literature Elective	3 credit hrs	Gen. Ed.

### Junior (Fall Semester) 15 hrs total

CHE 371	Physical Chemistry I	4 credit hrs	Major C*
CHE 440	Biochemistry	4 credit hrs	Major C*
	Persp. on Society Elec.	3 credit hrs	Gen. Ed.
	General Elective	3 credit hrs	Elective
ENG 300	Exposition	1 credit hrs	Spec. Dgr

### Junior (Spring Semester) 15-17 hrs total

CHE 372	Physical Chemistry II	4 credit hrs	Major C*
	General Elective	4 credit hrs	Elective
CHE 481	Indep. Research in Chem.	1-3 credit hrs	Major C*
	Persp. on Soc. Elec.	3 credit hrs	Gen Ed
CHE	Elective	3 credit hrs	

### Senior (Fall Semester) 15-16 hrs total

CHE 301	Desc. Inorganic Chem.	3 credit hrs	Major C*
	Chemistry Elective	3-4 credit hrs	Major C*
	General Elective	3 credit hrs	Elective
	History Elective	3 credit hrs	Gen. Ed.
	Fine Arts Elective	3 credit hrs	Gen. Ed.

### Senior (Spring Semester) 15-17 hrs total

CHE 432	Intro to Polymer Science	3 credit hrs	Major C*
CHE 460	Instrumental Analysis	4 credit hrs	Major C*
	General elective	3 credit hrs	Elective
	Personal Dev. Elect.	3 credit hrs	Gen. Ed.
CHE 464	Science Seminar	1 credit hrs	Major C*
CHE 481	Ind. Res.	1-3 cred. hrs.	