

ACADEMIC MAP

BS IN CHEMISTRY OPTION E: BIOCHEMISTRY

*minimum grade required †offered every other year

Freshman (Fall Semester) 17 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*
BIO 100	General Biology I	4 credit hrs	Major 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*

Freshman (Spring Semester) 16 hrs total

CHE 102	General Chemistry II	3 credit hrs	Chem Core C*
CHE 104	General Chemistry II	2 credit hrs	Chem Core C*
BIO 101	General Biology II	4 credit hrs	Major C*
ENG 102	English Composition II	3 credit hrs	Gen. Ed.
MAT 252	Calculus II	3 credit hrs	Spec. Dgr C*
	Communications Elective	2 credit hrs	Gen. Ed.

Sophomore (Fall Semester) 16 hrs total

CHE 321	Organic Chemistry I	3 credit hrs	Chem Core C*
CHE 319	Organic Chemistry I Lab	2 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*
BIO 300	Cell Biology	4 credit hrs	Major C*

Sophomore (Spring Semester) 16 hrs total

CHE 322	Organic Chemistry II	3 credit hrs	Chem Core C*
CHE 220	Organic Chemistry Lab II	2 credit hrs	Chem Core C*
BIO 328	Genetics	4 credit hrs	Major C*
PHY 232	General Physics II	3 credit hrs	Spec. Dgr C*
PHY 236	General Physics Lab II	1 credit hrs	Spec. Dgr C*
	Literature Elective	3 credit hrs	Gen. Ed.

Junior (Fall Semester) 16 hrs total

CHE 440	Biochemistry	4 credit hrs	Major C*
CHE 311	Quantitative Analysis	5 credit hrs	Chem Core C*
	General Elective	3 credit hrs	Elective
	Persp. on Society Elect.	3 credit hrs	Gen Ed
ENG 300	Exposition	1 credit hrs	Gen Ed

Junior (Spring Semester) 14-16 hrs total

CHE 351	Phy. Chem. for Life Sci.	4 credit hrs	Major C*
CHE 441	Biochemistry II	3 credit hrs	Major C*
	Persp. on Society Elect.	3 credit hrs	Gen Ed
	Humanities/FA Elective	3 credit hrs	Gen Ed

Senior (Fall Semester) 15-16 hrs total

CHE 443	Biochemistry III	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) 14-15 hrs total

	Chemistry Elective	4 credit hrs	Major C*
	General Elective	3-4 credit hrs	Major C*
	General Elective	3 credit hrs	Elective
	Personal Development	3 credit hrs	Gen. Ed.
	Science Seminar	1 credit hrs	Major