

ACADEMIC MAP

2016-17 BS IN CHEMISTRY OPTION C: PRE-MEDICAL SCIENCE (OPTOMETRY)

*minimum grade required † offered every other year

TOTAL 119-123 HRS

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*
BIO 100	General Biology I	4 credit hrs	Major C*
ENG 101	English Composition	3 credit hrs	Gen. Ed.
MAT 104	College Algebra	3 credit hrs	Spec. Dgr C*
FYS 100	First Year Seminar	1 credit hr	Gen Ed

Freshman (Spring Semester) 15 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*
BIO 101	General Biology II	4 credit hrs	Major C*
ENG 102	English Composition	3 credit hrs	Gen. Ed.
MAT 105	Trigonometry	3 credit hrs	Spec. Dgr C*

Sophomore (Fall Semester) 16 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*
PHY 221	Physics Life Sciences I	3 credit hrs	Spec. Dgr C*
PHY 233	Physics Life Sci. Lab I	1 credit hr	Spec. Dgr C*
MAT 251	Calculus I	3 credit hrs	Spec. Dgr C*
	Literature Elective	3 credit hrs	Gen Ed

Sophomore (Spring Semester) 16 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*
MAT 300	Statistics	3 credit hrs	Spec. Dgr C*
PHY 222	Physics Life Sci. II	3 credit hrs	Spec. Dgr C*
PHY 234	Physics Life Sci. Lab II	1 credit hr	Spec. Dgr C*
BIO 300	Cell Biology	4 credit hrs	Major C*

Junior (Fall Semester) 14-16 hrs total

CHE 440	Biochemistry I	4 credit hrs	Major C*
	Chemistry Elective	3-4 credit hrs	Major C*
	Chemistry Elective	3-4 credit hrs	Major C*
PSY 101	General Psychology	3 credit hrs	Gen. Ed.
ENG 300	Exposition	1 credit hr	Gen. Ed.

Junior (Spring Semester) 14 hrs total

CHE 351	Phy. Chem. for Life Sci.	4 credit hrs	Major C*
BIO 217	Microbiology I	4 credit hrs	Major C*
SOC 101	Principles of Sociology	3 credit hrs	Gen Ed
	Humanities/FA Elective	3 credit hrs	Gen Ed

Senior (Fall Semester) 14 hrs total

CHE 311	Quantitative Analysis	5 credit hrs	Chem Core 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) 14-16 hrs total

	Chemistry Elective	3-4 credit hrs	Major C*
	General Elective	3 credit hrs	Elective
	General Elective	3 credit hrs	Elective
	Personal Development	2-3 credit hrs	Gen. Ed.
	Communications Elective	3 credit hrs	Gen. Ed.