

Year 1

Fall Semester

Spring Semester

Course	Credit Hours	Course	Credit Hours
CHE 1415 General Chemistry I	4	CHE 1416 General Chemistry II	4
BIO 1410 Introduction to Biology I	4	BIO 1420 Introduction to Biology II	4
ENG 1301 Composition and Rhetoric	3	ENG 1302 Composition and Literature	3
MAT 1324 Calculus I	3	MAT 1325 Calculus II	3
ASE 1111 Freshman Success Experience	1	EXS 1220 Basic Concepts of Wellness	2
Total Credit Hours:	15	Total Credit Hours:	16

Year 2

Fall Semester

Spring Semester

Course	Credit Hours	Course	Hours
CHE 2416 Organic Chemistry I	4	CHE 2417 Organic Chemistry II	4
BIO 2441 Microbiology	4	BIO 2424 Evolution and Ecology	4
ENG 23XX Literature	3	General Education Course	3
General Education Course	3	General Education Course	3
Total Hours:	14	Total Credit Hours:	14

Year 3

Fall Semester

Spring Semester

Course	Credit Hours	Course	Hours
CHE 3405 Physical Chemistry I	4	CHE 3406 Physical Chemistry II	4
Or		Or	
CHE 3418 Analytical Chemistry	4	CHE 4412 Instrumental Analysis	4
CHE 4426 Biochemistry I	4	CHE 4427 Biochemistry II	4
PHY 1401 University Physics I	4	PHY 1402 University Physics II	4
Or		Or	
BIO 3431 Molecular Genetics	4	BIO 4412 Molecular Cell Biology	4
CHE 3101 Seminar in Chemistry	1	CHE 3251 Research in Chemistry	2
CHE 3142 Research Methods	1	Elective	1
Total Hours:	14	Total Credit Hours:	15

Year 4

Fall Semester		Spring Semester	
Course	Credit Hours	Course	Hours
CHE 3405 Physical Chemistry I	4	CHE 3406 Physical Chemistry II	4
Or		Or	
CHE 3418 Analytical Chemistry	4	CHE 4412 Instrumental Analysis	4
CHE 4331 Advance Inorganic Chemistry	3	General Education Course	3
PHY 1401 University Physics I	4	PHY 1402 University Physics II	4
Or		Or	
BIO 3431 Molecular Genetics	4	BIO 4412 Molecular Cell Biology	4
General Education Course	3	General Education Course	3
CHE 4251 Research in Chemistry	2	CHE 4248 Applied Research Methods	2
Total Hours:	16	Total Credit Hours:	16
Total Credit Hours			