

2020-21 ACADEMIC MAP

BS - Chemistry Option E: BioChemistry

TOTAL HRS: 121



Academic map is a guide to help students stay on track to degree completion. Consult undergraduate catalog and academic advisor for other requirements.

* minimum grade required

FALL SEMESTER						SPRING SEMESTER					
PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR	PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR
YEAR 1-Freshman	CHE 101	Gen Chem I Lecture	3	Gen Ed	C	CHE 102	Gen Chem II Lecture	3	Gen Ed	C	
	CHE 103	Gen Chem I Lab	1	Gen Ed	C	CHE 104	Gen Chem II Lab	1	Gen Ed	C	
	BIO 100	General Biology I	4	Major	C	BIO 101	General Biology II	4	Major	C	
	ENG 101	Composition I	3	Gen Ed		ENG 102	Composition II	3	Gen Ed		
	MAT 251	Calculus I	3	Spec Dgr		MAT 252	Calculus II	3	Spec Dgr	C	
	CHE 108	Intro Chemistry Sem	1	Core	C		Personal Development	1	Gen Ed		
	FYS 100/300 ¹	First Year Seminar	1	Univ Req				15			
		16									
YEAR 2-Sophomore	CHE 319	Organic Chem I Lab	1	Core	C	CHE 320	Organic Chem II Lab	1	Core	C	
	CHE 321	Organic Chem I	3	Core	C	CHE 322	Organic Chem II	3	Core	C	
	PHY 231	General Physics I	3	Spec Dgr	C	BIO 328	Genetics	4	Major	C	
	PHY 235	General Physics I Lab	1	Spec Dgr	C	PHY 232	General Physics II	3	Spec Dgr	C	
	MAT 253	Calculus III	3	Spec Dgr	C	PHY 236	General Physics II Lab	1	Spec Dgr	C	
	BIO 300	Cell Biology	4	Major	C	ENG 200 level	Literature	3	Gen Ed		
			15					15			
YEAR 3-Junior	CHE 440	Biochemistry I	4	Major	C	CHE 372	Physical Chemistry II	4	Major	C	
	CHE 311	Quantitative Analysis	5	Core	C	CHE 441	Biochemistry II	3	Major	C	
	CHE 371	Physical Chemistry I	4	Major	C		Perspectives on Society	3	Gen Ed		
		Perspectives on Society	3	Gen Ed			Humanities & Fine Arts	3	Gen Ed		
		16				General Elective	3	Electives			
							16				
YEAR 4-Senior	CHE 443	Biochemistry III	3	Major	C		Chemistry Elective	4	Major	C	
		Chemistry Elective	3	Major	C		General Elective	3	Electives		
	CHE 460	Instrumental Analysis	4	Major	C	COM 101/202	Communication Studies	3	Gen Ed		
	HIS 100/200	History	3	Gen Ed			Personal Development	1	Gen Ed		
		Fine Arts	3	Gen Ed		CHE 464	Science Seminar	1	Major		
		16					12				

- ¹All incoming students required to enroll in FYS 100 (freshmen) or FYS 300 (transfers).
- MAT 104 College Algebra requires a math ACT sub-score of 20 or higher. 19 or below will place a student in co-requisite remediation.
- MAT 105 Trigonometry: Pre-requisite MAT 104 College Algebra **OR** ACT Math sub-score of 23.
- MAT 251 Calculus I: Pre-requisite MAT 104 College Algebra and MAT 105 Trigonometry **OR** ACT Math sub-score of 24 or higher.