

# 2022-23 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 <sup>1</sup>	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 203/206	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 level	History	3	Gen Ed				Personal Development	1	Gen Ed		
		Fine Arts	3	Gen Ed			CHE 464	Science Seminar	1	Major		
			16					12				

- <sup>1</sup>All incoming students required to enroll in FYS 100 (freshmen) or FYS 300 (transfers).

- CHE 101 General Chemistry I requires math ACT subscore of 20 or higher **OR** MAT 104 with a grade of C or better **OR** CHE 100 Introduction to Chemistry with a grade of C or better.

- 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.