

# 2020-21 ACADEMIC MAP

## BS - Chemistry Option A: ACS Certified Chemistry

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	
	ENG 101	Composition I	3	Gen Ed		ENG 102	Composition II	3	Gen Ed		
	MAT 251	Calculus I	3	Spec Dgr	C		General Elective	3	Elective		
	CHE 108	Intro Chemistry Sem	1	Core	C	MAT 252	Calculus II	3	Spec Dgr	C	
		General Elective	3	Elective		COM 101/202	Communication Studies	3	Gen Ed		
	FYS 100/300 <sup>1</sup>	First Year Seminar	1	Univ Req				16			
			15								
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	
	CHE 311	Quantitative Analysis	5	Core	C	PHY 232	General Physics II	3	Spec Dgr	C	
	PHY 231	General Physics I	3	Spec Dgr	C	PHY 236	General Physics II Lab	1	Spec Dgr	C	
	PHY 235	General Physics I Lab	1	Spec Dgr	C		Humanities & Fine Arts	3	Gen Ed		
	MAT 253	Calculus III	3	Spec Dgr	C	ENG 200 level	Literature	3	Gen Ed		
			16				14				
YEAR 3-Junior	CHE 371	Physical Chemistry I	4	Major	C	CHE 372	Physical Chemistry II	4	Major	C	
	CHE 440	Biochemistry	4	Major	C		General Elective	4	Elective		
		Perspectives on Society	3	Gen Ed			Perspectives on Society	3	Gen Ed		
		General Elective	3	Elective			Chemistry Elective	4	Major	C	
		Personal Development	1	Gen Ed				15			
			15								
YEAR 4-Senior	CHE 301	Desc Inorganic Chem	3	Major	C	CHE 432	Intro to Polymer Sci	3	Major	C	
		Chemistry Elective	3	Major	C	CHE 460	Instrumental Analysis	4	Major	C	
		General Elective	3	Elective			General Elective	3	Elective		
	HIS 100/200	History	3	Gen Ed			Personal Development	1	Gen Ed		
		Fine Arts	3	Gen Ed		CHE 464	Science Seminar	1	Major	C	
			15			General Elective	3	Elective			
							15				

- <sup>1</sup>All 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.
- PHY 231/235 General Physics I/Lab and PHY 232/236 General Physics II/lab offered every other year.