

2024-25 ACADEMIC MAP



BS - Chemistry Option C: Pre-Medical Science, Pre-Optometry

TOTAL HRS: 121

***Program will be closed by May 11, 2026. All students with more than 60 hrs. towards the degree on May 13, 2024, will receive a teach-out plan. Students with less than 60 hrs. on May 13, 2024, will be assisted in changing their major.**

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 104	College Algebra	3	Gen Ed			MAT 105	Trigonometry	3	Spec Dgr	C	
	CHE 108	Intro Chemistry Sem	1	Core				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 221	Phys for Life Sci I	3	Major	C		MAT 300	Statistics	3	Spec Dgr	C	
	PHY 233	Phys for Life Sci I Lab	1	Major	C		PHY 222	Phys for Life Sci II	3	Major	C	
	MAT 251	Calculus I	3	Spec Dgr	C		PHY 234	Phys for Life Sci II Lab	1	Major	C	
	ENG 203/206	Literature	3	Gen Ed			BIO 300	Cell Biology	4	Major	C	
			14						15			
YEAR 3-Junior	CHE 440	Biochemistry I	4	Major	C		CHE 351	Phys Chem for Life Sci	4	Major	C	
		Chemistry Elective	4	Major	C		BIO 217	Microbiology	4	Major	C	
		Chemistry Elective	4	Major	C		SOC 101	Principles of Sociology	3	Gen Ed		
	PSY 101	General Psychology	3	Gen Ed				Personal Development	1	Gen Ed		
			15					Humanities & Fine Arts	3	Gen Ed		
								15				
YEAR 4-Senior	CHE 311	Quantitative Analysis	5	Core	C			Chemistry Elective	4	Major	C	
		BIO/PHY Elective	4	Major	C			BIO/PHY Elective	4	Major	C	
	HIS 100/200 level	History	3	Gen Ed				BIO/PHY Elective	4	Major	C	
		Fine Arts	3	Gen Ed			COM 101/202	Communication Studies	3	Gen Ed		
			15				CHE 464	Science Seminar	1	Major		
									16			

- ¹All 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.