

2023-24 ACADEMIC MAP



BS - Chemistry Option D: Chemistry Education

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 104	College Algebra	3	Gen Ed		MAT 105	Trigonometry	3	Spec Dgr	C	
	CHE 108	Intro Chemistry Sem	1	Core	C		Humanities & Fine Arts	3	Gen Ed		
	FYS 100/300 ¹	First Year Seminar	1	Univ Req				17			
		16				CORE exam should be taken.					
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	
	PSY 101	General Psychology	3	Gen Ed		CUR 393	Classroom Management	3	Prof Ed		
	MAT 251/300	Calculus or Statistics	3	Spec Dgr	C	EPY 341	Educational Psychology	3	Prof Ed		
		General Elective	3	Electives		CSP 340	Survey of Except Children	3	Prof Ed		
CUR 300	Survey of Ed w/ Field Exp	3	Prof Ed			Fine Arts	3	Gen Ed			
		16					16				
						PLT exam should be taken.					
YEAR 3 - Junior	HIS 100/200 level	History	3	Gen Ed			Biochemistry Elective	4	Major	C	
	PHY 231	General Physics I	3	Spec Dgr	C	CHE 351	Phys Chem for Life Sci	4	Major	C	
	PHY 235	General Physics I Lab	1	Spec Dgr	C	PHY 232	General Physics II	3	Spec Dgr	C	
	CHE 311	Quantitative Analysis	5	Core	C	PHY 236	General Physics II Lab	1	Spec Dgr	C	
	ENG 205	Literacy Pedagogy	3	Gen Ed		CHE 435	Methods & Materials	3	Major		
		15					15				
						Praxis II exam should be taken.					
YEAR 4 - Senior	CUR 493	Teaching the Sciences	3	Prof Ed		CUR 498	Directed Internship	9	Prof Ed		
	CIS 205	Microcomputer Apps	3	Gen Ed			General Elective	2	Electives		
		Perspectives on Society	3	Gen Ed				11			
	COM 101/202	Communication Studies	3	Gen Ed							
PHY 105	Astronomy	3	Major	C							
		15									

- 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.