NAME: _____

B.A. Degree: Chemistry Major (for students entering in Fall 2025/Spring 2026)

In the "WHAT" column, enter the specific course number when applicable--e.g. HIST 121. In the "WHEN" column, enter the term and year in which the requirement is satisfied--e.g., sp '20.

Liberal Arts Core

WHAT	WHEN	
	_____	ENGL 101* w/ C (2.0) [3 hrs]
	_____	ENGL 110 w/ C (2.0) [3 hrs]
	_____	COMM 211 w/ C (2.0) [3 hrs]
		Dept senior seminar/writing course
		Met by: _____ CHEM 497 [2 hrs]
	_____	FYEX 101 [3 hrs]
	_____	FYEX 102 [1 hr]
_____	_____	FYEX 103/104/105/106/107 [1 hr]
_____	_____	FYEX 103/104/105/106/107 [1 hr]
	_____	FYEX 401 [1 hr]
_____	_____	Foundational Scientific Inquiry [3-4 hrs]
_____	_____	Foundational Quantitative Analysis [3-4 hrs]
_____	_____	Foundational Humanities & Liberal Arts [3 hrs]

No more than two lens courses may come from same departmental prefix and one lens must be taken at 300 level or above.

_____	_____	Ethical/Spiritual Explor Lens (ETSP) [3 hrs]
_____	_____	Aesthetic Expression Lens (AEXP) [3 hrs]
_____	_____	Per & Soc Well Being Lens (PSWB) [3 hrs]
_____	_____	Cultural Perspectives Lens (CEXP) [3 hrs]
_____	_____	Experimental Inquiry Lens (EXIN) [3 hrs]

40 - 42 Total semester hours

_____ 120 semester hours required for graduation

*Enter NA (not applicable) if waived upon admission

For students classified as transfers, FYEX course requirements are dependent upon total transferrable credit hours.

Chemistry Major (B.A.)

WHAT	WHEN	
	_____	CHEM 161 [3 hrs]
	_____	CHEM 163L [1 hr]
		OR
	_____	CHEM 131 [3 hrs]
	_____	CHEM 133L [1 hr]
	_____	CHEM 132 [3 hrs]
	_____	CHEM 134L [1 hr]
	_____	CHEM 221 [3 hrs]
	_____	CHEM 223L [1 hr]
	_____	CHEM 222 [3 hrs]
	_____	CHEM 224L [1 hr]
	_____	CHEM 231 [3 hrs]
	_____	CHEM 233L [1 hr]
	_____	CHEM 301 [1 hr]
	_____	CHEM 320 [3 hrs]
	_____	CHEM 322L [1hr]
_____	_____	CHEM 250/340/350/365 [3 hrs]
	_____	CHEM 370 [2 hrs]
	_____	CHEM 497 [2 hrs]
	_____	MATH 115 [3 hrs]
	_____	MATH 161 [4 hrs]
	_____	35-39 semester hours
	_____	120 semester hrs required for graduation

- Departmentally approved substitutes may be taken in place of certain laboratories.
- Students enrolled in a course for which there is a lab must also enroll in the lab or its approved substitute, except with approval of the department.
- Except in specifically approved majors, a maximum of 52 hours in an academic discipline may count toward graduation. Three hours over the limit may count to accommodate an internship in the discipline.
- Only six hours of any minor may overlap with the required credit hours of a student's chosen major. The overlap constraint is not applicable to courses that majors or minors MUST take in others departments.

CHEMISTRY MAJOR (CHEM.BA)

Required Courses		Hrs.	Prereq.	Rec.Yr.
CHEM 131	Gen Chemistry Sci Majors I	3	*Coreq CHEM 133L	Fr
	**Prerequisite: Must have passed at least one year of high school chemistry or one semester of college chemistry equivalent to CHEM 105/107L or above AND at least one of the following: MATH ACT score of 20, MATH SAT score of 500, grade of C or better in one of the classes: MATH 103, 110, 112, 115, 130, 161.*			
CHEM 133L	Gen Chemistry Sci Maj I Lab	1	Coreq CHEM 131	
CHEM 132	Gen Chemistry Sci Majors II	3	C- or better in CHEM 131, 133L: Coreq CHEM 134L	Fr
CHEM 134L	Gen Chemistry Sci Maj II Lab	1	Coreq CHEM 132	
	OR			
CHEM 161	Acc Gen Chem for Sci Majors	3	HS Chem & placement CHEM 105, 107L; Coreq CHEM 163L	Fr
CHEM 163L	Acc Gen Chem for Sci Maj Lab	1	HS Chemistry or CHEM 105, 107L; Coreq CHEM 161	Fr
CHEM 221	Organic Chemistry I	3	C- or better in CHEM 131, 132L, 133, 134L or 161, 163L; Coreq CHEM 223L	Soph
CHEM 223L	Organic Chemistry I Lab	1	C- or better in CHEM 131, 132L, 133, 134L or 161, 163L; Coreq CHEM 221	Soph
CHEM 222	Organic Chemistry II	3	C- or better in CHEM 221, 223L; Coreq CHEM 224L	Soph
CHEM 224L	Organic Chemistry II Lab	1	C- or better in CHEM 221, 223L; Coreq CHEM 222	Soph
CHEM 231	Analytical Chemistry	3	C- or better in CHEM 131, 133L, 132, 134L or 161, 163L; Coreq CHEM 233L	Soph
CHEM 233L	Analytical Chemistry Lab	1	C- or better in CHEM 131, 133L, 132, 134L or 161, 163L; Coreq CHEM 231	Soph
CHEM 301	Laboratory Safety Management	1	CHEM 222, 224L	Jr
CHEM 320	Physical Chemistry	3	C- or better in CHEM 231, 233L; MATH 161 or 162; Coreq CHEM 322L	Jr
CHEM 322L	Physical Chemistry Lab	1	C- or better in CHEM 231, 233L; MATH 161 or 162; Coreq CHEM 320	Jr
CHEM 370	Adv Chemistry Topics	2	CHEM 222, 224L, 231, 233L	Jr/Sr
^CHEM 497	Seminar	2	CHEM major/minor and senior standing	Sr
One of the following:		3		
CHEM 250	Environmental Chemistry		CHEM 221, 223L or P/I	Soph
CHEM 340	Advanced Inorganic Chemistry		C- or better in CHEM 222, 224L, 231, 233L;Corereq CHEM-341L	Jr
CHEM 350	Biochemistry I		C- or better in CHEM 222, 224L Or BIOL 354	Jr
CHEM 365	Adv Physical Chemistry		C- or better in CHEM 320, 322L; MATH 162, 163	Jr
MATH 115	Elementary Statistics	3		Fr
MATH 161	Calculus I	4	C or better in MATH 130 or placement	
		35-39 total hours		

****REMINDERS****

1. B.A. candidates planning for a pre-medical, pre-dental, or pharmacy school track should also take BIOL 163, BIOL 164, PHYS 151 or 161, PHYS 152 or 162 by end of their second year.
2. CHEM 105-106 and labs do not count toward a major or minor in chemistry.

^Satisfies advanced writing requirement