CHEMISTRY MAJOR (CHEM.BS)

Required Courses		Hrs.	Prereq.	Rec.Yr.
CHEM 131	Gen Chemistry for Sci Maj I	3	*Coreq CHEM 133L	Fr
			nistry or one semester of college chemistry	
	05/10/L or above AND at least one of the one of the classes: MATH 103, 110, 112, 11		ACT score of 20, MATH SAT score of 500, g	grade of C of
CHEM 133L	Gen Chemistry for Sci Maj I Lab	1	Coreg CHEM 131	
CHEM 132	Gen Chemistry for Sci Majors II	3	C- or better in CHEM 131, 133L;	Fr
OTILIW 102	Gen Ghermany for Gor Majoro II		Coreq CHEM 134L	
CHEM 134L	Gen Chemistry for Sci Maj II Lab	1	Coreq CHEM 132	
	OR			
CHEM 161	Acc Gen Chem for Science Majors	3	HS Chem & placement or	Fr
			CHEM 105, 107L;	
			Coreq CHEM 163L	_
CHEM 163L	Acc Gen Chem for Science Maj Lab	1	HS Chemistry & placement or	Fr
		0	CHEM 105, 107L; Coreq CHEM 161	Conh
CHEM 221	Organic Chemistry I	3	C- or better in CHEM 131, 133L,	Soph
			132, 134L or 161,163L; Coreq CHEM 223L	
OLIEM 2221	Organic Chemistry I Lab	1	C- or better in CHEM 131, 133L,	Soph
CHEM 223L	Organic Chemistry I Lab		132,134L or 161, 163L; Coreq	oop
			CHEM 221	
CHEM 222	Organic Chemistry II	3	C- or better in CHEM 221, 223L;	Soph
OTTENT EEE	Organia Orianian, ii		Coreg 224L	
CHEM 224L	Organic Chemistry II Lab	1	C- or better in CHEM 221, 223L;	Soph
	,		Coreq CHEM 222	
CHEM 231	Analytical Chemistry	3	C- or better in CHEM 131, 133L,	Soph/Jr
			132, 134L or 161,163L: Coreq 233L	
CHEM 233L	Analytical Chemistry Lab	1	C- or better in CHEM 131, 133L, 132,	Soph/Jr
			134L or 161,163L; Coreq 231	
CHEM 301	Laboratory Safety Management	1	CHEM 222, 224L	Jr
CHEM 320	Physical Chemistry I	3	C- or better in CHEM 231, 233L,	Jr
OLIEM COOL	Dhariaal Chamietas II ob	1	MATH 161 or 162; Coreq CHEM 322L C- or better in CHEM 231, 233L,	Jr
CHEM 322L	Physical Chemistry I Lab	1	MATH 161 or 162; Coreq CHEM 320	31
CHEM 340	Advanced Inorganic Chemistry	3	C- or better in CHEM 222, 224L,	Jr
CHEINI 340	Advanced morganic chemistry	3	231, 233L;Coreq CHEM 341L	
CHEM 341L	Advanced Inorganic Chemistry Lab	1	C- or better in CHEM 231, 233L;	Jr
OTTENT OF TE	, la vaniosa mengame enermen, and		Coreq CHEM 340	
CHEM 350	Biochemistry I	3	C- or better in CHEM 222, 224L or	Jr
			BIOL 354	
CHEM 351L	Biochemistry I Lab	1	C- or better in CHEM 222,	Jr
			224L; Coreq CHEM 350	16.
CHEM 365	Advanced Physical Chemistry	3	C- or better in CHEM 320, 322L,	Jr
			MATH 162	le.
CHEM 370	Adv Chemistry Topics	2	CHEM 222, 224L, 231, 233L CHEM 222, 224L, 231, 233L	Jr Jr
CHEM 370	Adv Chemistry Topics (diff topic)	2 0-2	CHEM 221, 223L, 231, 233L	Jr
CHEM 397/399	Research or Summer Research Seminar	2	Sr Standing and	Sr
^CHEM 497	Seminar	2	CHEM major/minor	-
MATH 115	Elementary Statistics	3	orizin majomino.	Fr
MATH 161	Calculus I	4	C or better in MATH 130 or	Fr
100 (111 101	Calculati		placement	
MATH 162	Calculus II	4	C (2.0) or better in MATH 161;	Fr
MATH 163	Technology for Calculus	1	Coreq MATH 162	Fr
PHYS 151	General Physics I	4	Official math placement or P/I	
	<u>OR</u>			
PHYS 161	General Physics I with Calculus	4	Pre or Coreq MATH 161	
	O TOTAL District H	4	Official math placement or P/I	
PHYS 152	General Physics II	4	Official math placement or P/I	
DUVC 162	OR General Physics II with Calculus	4	Pre or Coreg MATH 161	
PHYS 162	General Engalos II with Galouius			
		58-64 total hours		

58-64 total hours

REMINDERS

- 1.
- Departmentally approved substitutes may be taken in place of certain labs. CHEM 105-106 and labs do not count toward a major or minor in Chemistry.

^{2.} 3.

[^]Satisfies advanced writing requirement

NAME:	
ACTIVIL.	

B.S. Degree: Chemistry Major (for students entering in Fall 2022/Spring 2023)

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.

General Education			Chemistry Major (B.S.)		
WHAT	WHEN		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:	WHAT	WHEN	CHEM 161 [3 hrs] CHEM 163L [1 hr] OR CHEM 131 [3 hrs] CHEM 132 [1 hr] CHEM 132 [3 hrs] CHEM 134L [1 hr] CHEM 221 [3 hrs] CHEM 223L [1 hr] CHEM 222L [1 hr] CHEM 224L [1 hr] CHEM 231 [3 hrs] CHEM 233L [1 hr] CHEM 231 [3 hrs] CHEM 233L [1 hr] CHEM 301 [1 hr] CHEM 301 [1 hr] CHEM 302 [3 hrs] CHEM 320 [3 hrs] CHEM 341L [1 hr] CHEM 340 [3 hrs] CHEM 350 [3 hrs] CHEM 351L [1 hr] CHEM 350 [3 hrs] CHEM 370-different topic [2 hrs] CHEM 370-different topic [2 hrs] CHEM 497 [2 hrs] MATH 115 [3 hrs] MATH 115 [3 hrs] MATH 161 [4 hrs] MATH 162 [4 hrs]
					MATH 163 [1 hr] PHYS 151/161 [4 hrs]
					PHYS 152/162 [4 hrs] 58-64 semester hours
					JO-04 Semester nours

>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.