

CHEMISTRY (Pre-Med or Pre-Dent)
Louisiana Tech University
Curriculum as of 2022

Name _____

Date _____

CWID - -

Email _____@latech.edu

COURSE	PREREQUISITE	SCH	QTR	GRADE
CHEM 100	MATH 101	2		R*
101	CHEM 100	2		R*
102	CHEM 101	2		R*
103	CHEM 100, 101o	1		R*
104	CHEM 102o, 103	1		R*
205	CHEM 102, 206o	3	F	R*
206	CHEM 102, 205o	1	F	R*
250	CHEM 102	2	F, Sp	R*
251	CHEM 250, 253o	2	W, Su	R*
252	CHEM 251	2	Sp, Su	R*
253	CHEM 102, 251o	1	W, Su	R*
254	CHEM 253, 252o	1	Sp, Su	R*
281	CHEM 102, 104	3	F	R*
282	CHEM 102, 104, 281o	1	F	R*
309	CHEM 252, 254	3	F	R*
311	CHEM 102, 252, MATH 242, PHYS 209	3	F	R*
312	CHEM 311	3	W	R*
313	CHEM 311o	1	F	R*
314	CHEM 311, 312o	1	W	R*
351	CHEM 252, 254	3	F,Sp	R*
352	CHEM 351	3	W	R*
353	CHEM 351o	1	F,Sp	R*
354	CHEM 353, 352o	1	W	R*
390		1	F, Sp	R*
466	CHEM 312	4	Sp	R*
490	Senior or Graduate Standing	1		R*
498A	Consent of Instructor	1		R*
498A	Consent of Instructor	1		R*
498A	Consent of Instructor	1		R*
BISC 130		3		
131		1		
132	BISC 130	3		
133	BISC 131o	1		
261	BISC 130, CHEM 100, 101	3		
262	BISC 131, BISC 261o	1		
310	BISC 132, 133	3		
315	BISC 132, 133	3	W,Sp/W	
or 422	BISC 310			
COMM 101	FYE 100o	3		<input type="checkbox"/>
ENGL 101		3		
102	ENGL 101	3		
303	ENGL 102	3		
MATH 240	Math ACT \geq 26 or Math SAT \geq 590 or placement	3		*
241	MATH 240	3		*
242	MATH 241	3		*
STAT 200	Math 100 B & C, or Math 101, or equivalent	3		
PHYS 209	MATH 112 or 240	3		
210	PHYS 209	3		
261	MATH 112 or 240	1		
262	PHYS 261	1		
ELECTIVES/ GER				
Fine Arts Appr. (ART 290, KINE 280, MUGN 290, or THTR 290)		3		
CHEM Special Topics (409,420,424,450C, or 481)		3		*
Directed Elective		3		
History Elective		3		
Social Science		3		
Social Science		3		
TOTAL SEMESTER HOURS		120		

SUBSTITUTIONS		
COURSE	SCH	GRADE
1		
2		
3		
4		
5		

ADDITIONAL COURSES		
COURSE	SCH	GRADE
1		
2		
3		
4		
5		

GPA	
Rubric GPA	
MATH 241-242 GPA	

NOTES	
<p>* requires grade of "C" or higher</p> <p>o credit or registration in</p> <p>R course in rubric</p> <p><input type="checkbox"/> must be completed within first year of enrollment</p> <p>1 Directed electives must be selected in consultation with advisor. Can be nonSTEM.</p> <p>2 Petitions must be filed for substitutions.</p> <p>3 A student must have a minimum 2.0 GPA on all hours pursued in courses designated: CHEM.</p>	

ADDITIONAL COMMENTS	

Advisor: _____

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FRESHMAN YEAR					
Fall Quarter		Hr	Winter Quarter		Hr
CHEM 100 *	General Chemistry	2	CHEM 101 *	General Chemistry	2
MATH 240 *	Precalculus	3	CHEM 103 *	General Chemistry Lab	1
BISC 130	Biological Principles	3	MATH 241 *	Calculus I	3
BISC 131	Biological Principles Lab	1	COMM 101 □	Principles of Communication	3
FYE 100	Freshman Year Experience	1			
		10			9
					10

SOPHOMORE YEAR					
Fall Quarter		Hr	Winter Quarter		Hr
CHEM 205 *	Analytical Chemistry	3	CHEM 251 *	Organic Chemistry	2
CHEM 206 *	Analytical Chemistry Lab	1	CHEM 253 *	Organic Chemistry Lab	1
CHEM 250 *	Organic Chemistry	2	BISC 261	Microbiology	3
STAT 200	Basic Statistics	3	ENGL 102	Freshman Composition II	3
ENGL 101	Freshman Composition I	3	BISC 262	Microbiology Lab	1
		12			10
					9

JUNIOR YEAR					
Fall Quarter		Hr	Winter Quarter		Hr
CHEM 281 *	Inorganic Chemistry	3	CHEM 352 *	Biochemistry	3
CHEM 309 *	Organic Reaction Mechanisms	3	CHEM 354 *	Biochemistry Lab	1
CHEM 351 *	Biochemistry	3	BISC 315 or 422	Cell or Molecular Biology	3
CHEM 353 *	Biochemistry Lab	1	PHYS 209	General Physics I	3
CHEM 282 *	Inorganic Chemistry Lab	1	PHYS 261	General Physics Lab I	1
		11			11
					12

SENIOR YEAR					
Fall Quarter		Hr	Winter Quarter		Hr
CHEM 311 *	Physical Chemistry I	3	CHEM 312 *	Physical Chemistry II	3
CHEM 313 *	Physical Chemistry I Lab	1	CHEM 314 *	Physical Chemistry Lab II	1
CHEM 498A *	Undergraduate Research	1	CHEM 498A *	Undergraduate Research	1
Fine Arts Appreciation		3	ENGL 303	Technical Writing	3
			Directed Elective◇		3
		8			11
					8

* Requires grade of "C" or higher

□ Must be completed within first year of enrollment

Courses in **bold** are *typically* offered only once per year

◇Directed Electives and Science Elective chosen by the student in consultation with faculty advisor.

**Social Science Electives can be selected from Anthropology, Criminal Justice, Economics, Geography, International Studies, Interdisciplinary, Political Science, Psychology, and Sociology

ALL COURSES APPLYING TO MINOR MUST HAVE GRADE OF "C" OR BETTER