



## CHEMISTRY (Pre-Med or Pre-Dent)

Louisiana Tech University

FRESHMAN YEAR					
Fall Quarter	Hr	Winter Quarter	Hr	Spring Quarter	Hr
CHEM 100 * General Chemistry	2	CHEM 101 * General Chemistry	2	CHEM 102 * General Chemistry	2
MATH 240 * Precalculus	3	CHEM 103 * General Chemistry Lab	1	CHEM 104 * General Chemistry Lab	1
BISC 130 Biological Principles	3	MATH 241 * Calculus I	3	MATH 242 * Calculus II	3
BISC 131 Biological Principles Lab	1	COMM 101 □ Principles of Communication	3	BISC 132 Biological Diversity	3
FYE 100 Freshman Year Experience	1			BISC 133 Biological Diversity Lab	1
	10		9		10

SOPHOMORE YEAR					
Fall Quarter	Hr	Winter Quarter	Hr	Spring Quarter	Hr
<b>CHEM 205</b> * Analytical Chemistry	3	CHEM 251 * Organic Chemistry	2	CHEM 252 * Organic Chemistry	2
<b>CHEM 206</b> * Analytical Chemistry Lab	1	CHEM 253 * Organic Chemistry Lab	1	CHEM 254 * Organic Chemistry Lab	1
CHEM 250 * Organic Chemistry	2	BISC 260 Microbiology	4	BISC 310 Genetics	3
STAT 200 Basic Statistics	3	ENGL 102 Freshman Composition II	3	History Elective	3
ENGL 101 Freshman Composition I	3				
	12		10		9

JUNIOR YEAR					
Fall Quarter	Hr	Winter Quarter	Hr	Spring Quarter	Hr
<b>CHEM 281</b> * Inorganic Chemistry	3	<b>CHEM 352</b> * Biochemistry	3	<b>CHEM 390</b> * Chemical Literature	1
<b>CHEM 309</b> * Organic Reaction Mechanisms	3	<b>CHEM 354</b> * Biochemistry Lab	1	<b>CHEM 466</b> * Instrumentation	4
<b>CHEM 351</b> * Biochemistry	3	BISC 315 or 422 Cell or Molecular Biology	3	PHYS 210 General Physics II	3
<b>CHEM 353</b> * Biochemistry Lab	1	PHYS 209 General Physics I	3	PHYS 262 General Physics Lab II	1
		PHYS 261 General Physics Lab I	1	Social Science**	3
	10		11		12

SENIOR YEAR					
Fall Quarter	Hr	Winter Quarter	Hr	Spring Quarter	Hr
<b>CHEM 311</b> * Physical Chemistry I	3	CHEM 312 * Physical Chemistry II	3	CHEM 490 * Chemistry Seminar	1
CHEM 313 * Physical Chemistry I Lab	1	CHEM 314 * Physical Chemistry Lab II	1	CHEM 498A * Undergraduate Research	1
CHEM 498A * Undergraduate Research	1	CHEM 498A * Undergraduate Research	1	CHEM Special Topics (409,420,424,450C, or 481)	3
Fine Arts Appreciation	3	ENGL 303 Technical Writing	3	Social Science**	3
Science Elective◇	1	Directed Elective◇	3		
	9		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**