

**CHEMISTRY (ACS Certified)**  
**LOUISIANA TECH UNIVERSITY**  
*Revised Spring 2011*

Name \_\_\_\_\_

Date \_\_\_\_\_

Student ID \_\_\_\_\_

Email \_\_\_\_\_

COURSE	PREREQUISITE	SH	SCHED	GRADE
CHEM	100 MATH 101	2	_____	* _____
	101 CHEM 100	2	_____	* _____
	102 CHEM 101	2	_____	* _____
	103 CHEM 101 (Co-req)	1	_____	* _____
	104 CHEM 103	1	_____	* _____
	205 CHEM 102	4	F _____	* _____
	250 CHEM 102	2	F,Sp _____	* _____
	251 CHEM 250, CHEM 253 (Co-req)	2	W _____	* _____
	252 CHEM 251, CHEM 254 (Co-req)	2	Sp _____	* _____
	253 CHEM 102, CHEM 251 (Co-req)	1	W _____	* _____
	254 CHEM 253, CHEM 252 (Co-req)	1	Sp _____	* _____
	281 CHEM 102, 104	3	W _____	* _____
	311 CHEM 102, 252, MATH 242, PHYS 201	3	F _____	* _____
	312 CHEM 311	3	W _____	* _____
	313 CHEM 311 (Co-req)	1	F,W _____	* _____
	314 CHEM 311, CHEM 312 (Co-req)	1	W _____	* _____
	351 CHEM 252, 254	3	F _____	* _____
	390 Four quarters before graduation	1	Sp _____	* _____
	466 CHEM 312	4	Sp _____	* _____
	481 CHEM 252, 312	3	Sp _____	* _____
490 Senior standing	1	W,Sp _____	* _____	
498A Consent of Instructor	1	_____	* _____	
498A Consent of Instructor	1	_____	* _____	
498A Consent of Instructor	1	_____	* _____	
MATH	240 MATH 101 (or by placement)	3	_____	* _____
	241 MATH 240	3	_____	* _____
	242 MATH 241	3	_____	* _____
	243 MATH 242	3	_____	* _____
	244 MATH 243	3	_____	* _____
	245 MATH 244	3	_____	* _____
PHYS	201 MATH 241	3	_____	_____
	202 PHYS 201	3	_____	_____
	261 MATH 241, PHYS 201 (Co-req)	1	_____	_____
	262 PHYS 261	1	_____	_____
ENGL	101 _____	3	_____	_____
	102 ENGL 101	3	_____	_____
	210 or 211 or 212 ENGL 102	3	_____	_____
	303 ENGL 102	3	_____	_____
<b>ELECTIVES</b>				
ART (ART 290, MUGN 290, SPTH 290, or KINE 280) _____		3	_____	_____
HIST _____ See note 5 _____		3	_____	_____
BISC 130 _____		3	_____	_____
SPCH 110 or 377 _____		3	_____	_____
Social Science See note 1 and 5 _____		3	_____	_____
Social Science _____		3	_____	_____
Social Science _____		3	_____	_____
CHEM Elective See note 2 _____		3	_____	_____
(select 2 from CHEM 409, 420, 424, or 450C) _____		3	_____	_____
Directed Elective See note 2 _____		3	_____	_____
Directed Elective _____		3	_____	_____
Directed Elective (Math 308 recommended) _____		3	_____	_____
<b>TOTAL SEMESTER HOURS</b>		<b>120</b>		

SUBSTITUTIONS	APPR	SH	GRADE
1 _____	_____	_____	_____
2 _____	_____	_____	_____
3 _____	_____	_____	_____
4 _____	_____	_____	_____
5 _____	_____	_____	_____
6 _____	_____	_____	_____
7 _____	_____	_____	_____

ADDITIONAL COURSES	SH	GRADE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

NOTES
* Requires grade of "C" or better.
1 Social Science electives must include at least two disciplines selected from Economics, Geography, Political Science, Psychology, or Sociology.
2 Directed electives must be selected in consultation with student's advisor.
3 Substitutions must be initiated by Program Chair. Put substitution number in the "grade" blank of the course being replaced.
4 A student must have a 2.0 grade point average on all hours pursued in courses designated as CHEM.
5 All students must complete an International Education Requirement. HIST 102, GEOG 205, and GEOG 210 are acceptable for this requirement.
Comments: _____
_____
_____
_____

Advisor's Name \_\_\_\_\_

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FRESHMAN YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
CHEM 100*	General Chemistry	2	CHEM 101*	General Chemistry	2	CHEM 102*	General Chemistry	2		
MATH 240	Math for Engr & Science	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		
UNIV 100	University Seminar	1	ENGL 101	Freshman Composition I	3	ENGL 102	Freshman Composition II	3		
			Social Science ***		3	Social Science ***		3		
		9			12			12		

SOPHOMORE YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
<b>CHEM 205*</b>	Analytical Chemistry	4	CHEM 251*	Organic Chemistry	2	CHEM 252*	Organic Chemistry	2		
CHEM 250*	Organic Chemistry	2	CHEM 253*	Organic Chemistry Lab	1	CHEM 254*	Organic Chemistry Lab	1		
MATH 243	Calculus III	3	<b>CHEM 281*</b>	Inorganic Chemistry	3	PHYS 202	Physics for Engr & Science II	3		
			PHYS 201	Physics for Engr & Science I	3	PHYS 262	General Physics Lab II	1		
			PHYS 261	General Physics Lab I	1	ART†	Fine Arts Appreciation	3		
		9			10			10		

JUNIOR YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
<b>CHEM 311*</b>	Physical Chemistry I	3	<b>CHEM 312*</b>	Physical Chemistry II	3	<b>CHEM 390*</b>	Chemical Literature	1		
CHEM 313	Physical Chemistry I Lab	1	<b>CHEM 314*</b>	Physical Chemistry II Lab	1	Directed Elective**		3		
<b>CHEM 351</b>	Biochemistry	3	MATH 245	Differential Equations	3	ENGL 210, 211, or 212	Literature	3		
MATH 244	Calculus IV	3	Directed Elective**	(MATH 308 recommended)	3	ENGL 303	Technical Writing	3		
		10			10			10		

SENIOR YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
<b>CHEM 498A*</b>	Undergrad Research	1	<b>CHEM 498A*</b>	Undergrad Research	1	<b>CHEM 466*</b>	Instrumentation	4		
CHEM Elective ††		3	CHEM Elective ††		3	<b>CHEM 481*</b>	Advanced Inorganic	3		
Directed Elective**		3	HIST_____***		3	CHEM 490*	Chemistry Seminar	1		
Social Science ***		3	SPCH 110 or 377	Principles of Speech	3	<b>CHEM 498A*</b>	Undergrad Research	1		
		10			10			9		

\* Grade of C or higher required before taking a course for which this one is a prerequisite.

\*\* Directed electives are chosen in consultation with advisor and approved by the Program Chair.

\*\*\* HIST 102, GEOG 205, or GEOG 210 count as the International Education Requirement (IER).

† ART 290, SPTH 290, MUGN 290, or KINE 280 counts as the Fine Arts Requirement.

†† Select two from CHEM 409, 420, 424, or 450C (consult with your advisor on course offerings).

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