

**CHEMICAL ENGINEERING**  
**LOUISIANA TECH UNIVERSITY**  
**2006-2007**

Name \_\_\_\_\_

Date \_\_\_\_\_

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

Email \_\_\_\_\_

COURSE	PREREQUISITE	SH	SCHED	GRADE
CMEN 202	ENGR 122 (Co-req), MATH 242 (Co-req)	3	F	*
213	CMEN 202, 254, MATH 244	3	Sp	*
254		2	W	*
304	CMEN 213, 313, 413, MATH 245, MATH 240-244	3	Sp	*
313	CMEN 213 GPA 2.0	3	F	*
332	ENGR 222	3	W	*
353	CMEN 254, CMEN 313	1	Sp	*
402	SENIOR STANDING	3	F	*
407	SENIOR STANDING	3	W	*
413	CMEN 313	3	W	*
430	SENIOR STANDING	2	F	*
432	CMEN 430, SENIOR STANDING	2	W	*
434	CMEN 432	2	Sp	*
451		1	F	*
		34		
CHEM 100	ENGR 120 (Co-req), MATH 240 (Co-req)	2		*
101	CHEM 100, ENGR 121 (Co-req), Math 241 (Co-req)	2		*
102	CHEM 101	2		*
103	CHEM 101 (Co-req)	1		*
104	CHEM 103	1		*
250	CHEM 102	2		*
251	CHEM 250, CHEM 253 (Co-req)	2		*
252	CHEM 251	2		*
253	CHEM 251 (Co-req), CHEM 102	1		*
311	CHEM 252, MATH 242, CHEM 102, PHYS 201	3		*
313	CHEM 311 (Co-req)	1		*
		19		
ENGL 101	NONE	3		
102	ENGL 101	3		
201 or 202	ENGL 102	3		
303	ENGL 102	3		
463 (or SPCH 377)	ENGL 303	3		
		15		
ENGR 120	MATH 240 (Co-req), CHEM 100 (Co-req)	2		*
121	ENGR 120, MATH 241 (Co-req), CHEM 101 (Co-req)	2		*
122	ENGR 121, MATH 242 (Co-req)	2		*
220	ENGR 122, PHYS 201, MATH 242	3		*
221	MATH 243, MATH 244 (Co-req)	3		*
222	MATH 242, ENGR 122	3		*
		15		
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		*
		18		
PHYS 201	MATH 241	3		*
<b>ELECTIVES</b>				
ART (ART 290, MUGN 290, SPTH 290, or HES 280)	_____	3		
HIST	See Note 5 _____	3		
BISC 101	_____	3		
Social Science	See Note 5 _____	3		
Social Science	_____	3		
Social Science	_____	3		
Directed Technical Elective	_____	3		
Directed Technical Elective	_____	3		
		24		
<b>TOTAL SEMESTER HOURS</b>		<b>128</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 technical electives must be selected in consultation with students advisor.
3 Substitutions must be initialed by Program Chair. Put substitution number in the "grade" blank of the course being replaced.
4 In order to graduate, student must have a minimum 2.0 grade point average on all hours pursued in courses designated as CMEN (Chemical Engineering), ENGR 120, 121, 122 & 222.
5 All students must complete an International Education Requirement, as stated in the University Catalog. HIST 102, GEOG 205, and GEOG 210 are acceptable for this requirement.
Comments: _____
_____
_____
_____
_____
_____
_____
_____

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

**CHEMICAL ENGINEERING  
LOUISIANA TECH UNIVERSITY**

Name \_\_\_\_\_

Date \_\_\_\_\_

Student Number \_\_\_\_\_

Email \_\_\_\_\_

FRESHMAN YEAR (33 sch)											
Fall Quarter			Winter Quarter			Spring Quarter					
		Cr	Gr			Cr	Gr			Cr	Gr
ENGR 120	Engr Problem Solving I	2		ENGR 121	Engr Problem Solving II	2		ENGR 122	Engr Problem Solving III	2	
MATH 240	Math for Engr & Sci. I	3		MATH 241	Math for Engr and Science II	3		MATH 242	Math for Engr & Sci. III	3	
CHEM 100	General Chemistry	2		CHEM 101	General Chemistry	2		CHEM 102	General Chemistry	2	
UNIV 100	University Seminar	1		CHEM 103	General Chemistry Lab	1		CHEM 104	General Chemistry Lab	1	
ENGL 101	Freshmen Comp I	3		ENGL 102	Freshmen Composition II	3		Social Science		3	
		11				11				11	

SOPHOMORE YEAR (33 sch)											
Fall Quarter			Winter Quarter			Spring Quarter					
		Cr	Gr			Cr	Gr			Cr	Gr
MATH 243	Math for Engr & Science IV	3		ENGR 222	Thermodynamics	3		ENGR 220	Statics & Mech./ Materials	3	
CMEN 202	Chemical Engr Calc.	3		MATH 244	Math for Engr & Science V	3		MATH 245	Math for Engr & Science VI	3	
CHEM 250	Organic Chemistry	2		CMEN 254	Lab Measurements/Reports	2		CMEN 213	Unit Operations-Design I	3	
PHYS 201	Physics for Engr & Sci I	3		CHEM 251	Organic Chemistry	2		CHEM 252	Organic Chemistry	2	
		11		CHEM 253	Organic Chemistry Lab	1				11	

JUNIOR YEAR (32 sch)											
Fall Quarter			Winter Quarter			Spring Quarter					
		Cr	Gr			Cr	Gr			Cr	Gr
CMEN 313	Unit Operations-Design II	3		ENGR 221	Electrical Engr & Circuits I	3		CMEN 304	Transport Phenomena	3	
CHEM 311	Physical Chemistry	3		CMEN 413	Unit Operations-Design III	3		CMEN 353	Chem. Engr. Junior Lab	1	
CHEM 313	Physical Chemistry Lab	1		CMEN 332	Chem. Engr. Thermodyn. II	3		ENGL 303	Technical Writing	3	
Social Science		3		ENGL 201	Literature	3		HIST_____*		3	
		10		or 202		12				10	

SENIOR YEAR (31 sch)											
Fall Quarter			Winter Quarter			Spring Quarter					
		Cr	Gr			Cr	Gr			Cr	Gr
CMEN 402	Chemical Reaction Engr.	3		CMEN 407	Instrum./ Auto Process Control	3		CMEN 434	Chem. Plant Design III	2	
CMEN 430	Chemical Plant Design I	2		CMEN 432	Chemical Plant Design II	2		ENGL 463 or SPCH 377	Technical Present.	3	
CMEN 451	Senior Chem. Engr. Lab	1		BISC 101	Fundamentals of Biology I	3		Social Science *		3	
ART _____	Fine Arts Appreciation	3		Dir. Tech. Elect.		3		Dir. Tech. Elective		3	
		9				11				11	

Courses in bold-face taught only once during academic year. **CMEN 202** requires **ENGR 122** as a **minimum** co-requisite. All other **CMEN** courses require **CMEN 202** as a prerequisite (see Tech Bulletin for more details regarding course prerequisites).

Electives must be approved by the Chemical Engineering Program Chair.

Technical electives must be selected in consultation with student's advis advisor.

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