

# ELECTRICAL ENGINEERING LOUISIANA TECH UNIVERSITY

**Fall 2009**

Name \_\_\_\_\_

Date \_\_\_\_\_

CWID \_\_\_\_\_

Email \_\_\_\_\_

COURSE	PREREQUISITE	SH	SCHED	GRADE	SUBSTITUTIONS	APPR	SH	GRADE
ELEN 223	ENGR 221	3	_____	_____	1	_____	_____	_____
224	ELEN 223, Math 245 (Co-req)	3	F _____	_____	2	_____	_____	_____
229	ELEN 224 (Co-req)	1	F _____	_____	3	_____	_____	_____
232	MATH 242 (Co-req)	2	F _____	_____	4	_____	_____	_____
242	ELEN 232	3	_____	_____	5	_____	_____	_____
292	MATH 245 (Co-req)	2	F _____	_____	6	_____	_____	_____
311	PHYS 202, Math 240-244 GPA ≥ 2.0	2	W _____	_____	7	_____	_____	_____
321	ELEN 224, MATH 245	3	W _____	_____				
334	MATH 244, PHYS 202	3	F _____	_____				
335	ELEN 224	3	W _____	_____				
336	ELEN 335	3	Sp _____	_____				
339	ELEN 336 (Co-req)	1	Sp _____	_____				
381	ELEN 224 (Co-req)	3	W _____	_____				
406	ELEN 321, 381, 336, 339, 411, and senior standing	1	F _____	_____				
407	ELEN 406	1	W _____	_____				
408	ELEN 407	1	Sp _____	_____				
411	ELEN 311	3	Sp _____	_____				
422	ELEN 321	3	F _____	_____				
Sr Option##	_____	3	_____	_____				
Sr Option##	_____	1	_____	_____				
Sr Option##	_____	3	_____	_____				
Sr Option##	_____	1	_____	_____				
CHEM 100	MATH 240 (Co-req)	2	_____	*				
101	CHEM 100	2	_____	_____				
103	CHEM 101 (Co-req)	1	_____	_____				
ENGL 101		3	_____	_____				
102	ENGL 101	3	_____	_____				
Literature	ENGL 210, 211, or 212 (Prereq of ENGL 102)	3	_____	_____				
303	ENGL 102	3	_____	_____				
363	ENGL 303	3	_____	_____				
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), PHYS 201 (Co-req)	2	_____	*				
220	ENGR 122, PHYS 201, MATH 242	3	_____	_____				
221	ENGR 122, PHYS 201, MATH 242	3	_____	_____				
222	ENGR 122, MATH 242	3	_____	_____				
INEN 300		2	_____	_____				
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	ENGR 122 (Co-req), MATH 242 (Co-req)	3	_____	*				
PHYS 202	PHYS 201	3	_____	_____				
<b>ELECTIVES</b>								
ART (ART 290, MUGN 290, SPTH 290, or KINE 280)	_____	3	_____	_____				
HIST	_____	3	_____	_____				
BISC 101	_____	3	_____	_____				
Social Science	_____	3	_____	_____				
Social Science	_____	3	_____	_____				
Social Science	_____	3	_____	_____				
Technical Elective	_____	3	_____	_____				
Technical Elective	_____	3	_____	_____				
<b>TOTAL SEMESTER HOURS</b>		<b>134</b>						

  

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 Technical electives must be selected in consultation with student's 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 ELEN (Electrical Engineering).
5 HIST 102, GEOG 205, or GEOG 210 counts as the International Education Requirement.
Comments: _____
_____
_____
_____
_____
_____
_____

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FRESHMAN YEAR (33 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			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 & Science I	3	MATH 241*	Math for Engr & Science II	3	MATH 242*	Math for Engr & Science III	3		
CHEM 100*	General Chemistry	2	CHEM 101	General Chemistry	2	PHYS 201*	Physics for Engr & Science I	3		
UNIV 100	University Seminar	1	CHEM 103	General Chemistry Lab	1	BISC 101	Fundamentals of Biology	3		
ENGL 101	Freshman Composition I	3	ENGL 102	Freshman Composition II	3					
		11			11				11	

SOPHOMORE YEAR (35 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
ENGR 221	Electrical Engr & Circuits I	3	ELEN 223	Electrical Circuit II	3	ENGR 220	Statics & Mechs of Mat	3		
MATH 243*	Math for Engr & Science IV	3	MATH 244*	Math for Engr & Science V	3	MATH 245	Math for Engr & Science VI	3		
ELEN 232	Intro to Digital Design	2	PHYS 202	Physics for Engr & Science II	3	ELEN 242	Intro to Microprocessors	3		
HIST ____†		3	Social Science 1†		3	Social Science 2†		3		
		11			12				12	

JUNIOR YEAR (35 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
ELEN 224	Electrical Circuits III	3	ELEN 311	Intro to Electric & Magnetic Fields	2	ELEN 336	Electronic Circuits II	3		
ELEN 229	Electrical Circuits Lab	1				ELEN 339	Electronic Circuits Lab	1		
ELEN 292	ELEN Computer Appl	2	ELEN 321	Linear Systems	3	ELEN 411	Electric & Magnetic Fields	3		
ELEN 334	Solid State Electronics	3	ELEN 335	Electronic Circuits I	3	ENGR 222	Thermodynamics	3		
ENGL 210-212	Literature (select one)	3	ELEN 381	Electrical Machinery	3	INEN 300	Engineering Economics	2		
		12			11				12	

SENIOR YEAR (32 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
ELEN 406	Electrical Engr Design I	1	ELEN 407	Electrical Engr Design II	1	ELEN 408	Electrical Engr Design III	1		
ELEN 422	Digital Signal Processing	3	ELEN Tech Elective 1**		4	ELEN Tech Elective 2**		3		
ELEN Sr Option‡‡		4	ELEN Sr Option 2‡‡		3	ENGL 363	Technical Presentation	3		
ART‡	Fine Arts Appreciation	3	ENGL 303	Technical Writing	3	Social Science 3†		3		
		11			11				10	

\* Grade of C or higher required

\*\* Technical or directed electives must be approved by the Program Chair.

† HIST 102, GEOG 205, or GEOG 210 counts as the International Education Requirement.

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

‡‡ Select ELEN 437 (3) and 439 (1) Fall; or ELEN 471 (3) and 479 (1) Fall; or ELEN 461 (3) and 469 (1) Winter; or ELEN 481 (3) and 489 (1) Spring.