

ELECTRICAL ENGINEERING TECHNOLOGY

LOUISIANA TECH UNIVERSITY

Revised Spring 2011

Name _____

Date _____

Student ID _____

Email _____

COURSE	PREREQUISITE	SH	SCHED	GRADE
ELET 100	none	1	F	_____
170	MATH 101	3	W	_____*
171	ELET 170**	1	W	_____
180	ELET 170, MATH 112	3	Sp	_____*
181	ELET 180**	1	Sp	_____
260	ELET 180 or ELET 196	3	F	_____*
261	ELET 260**	1	F	_____
268	ELET 260 or ELET 197	1	Sp	_____
270	ELET 180 or ELET 196	3	W	_____
271	ELET 270**	1	W	_____
272	ELET 260 or ELET 197	3	Sp	_____
273	ELET 272**	1	Sp	_____
280	ELET 180 or ELET 196	3	Sp	_____*
360	ELET 280, MATH 220	3	W	_____
361	ELET 360	1	Sp	_____
370	ELET 260 or ELET 197	2	F	_____
371	ELET 370**	1	W	_____
374	ELET 260 (or 197), 370	2	Sp	_____
375	ELET 374**	1	Sp	_____
378	ELET 268, 270 (or 198), 272, 280, 370	1	W	_____
380	ELET 272, 370	3	F	_____
422	ELET 272, 370, 423**	3	F	_____
423	ELET 422**	1	F	_____
460	ELET 272, 370	3	F	_____
461	ELET 460**	1	W	_____
470	ELET 272, MATH 223	3	W	_____
471	ELET 470**	1	Sp	_____
472	Senior Standing	1	Sp	_____
475	ELET 378, 422, 460, 470**	1	F	_____*
476	ELET 475	1	Sp	_____
ELECTIVES				
CHEM 100	MATH 101	2	_____	_____*
101	CHEM 100 (or by placement); CHEM 103 (Co-req)	2	_____	_____
103	CHEM 101 (Co-req)	1	_____	_____
ENGL 101		3	_____	_____
102	ENGL 101	3	_____	_____
210, 211, or 212	ENGL 102	3	_____	_____
303	ENGL 102	3	_____	_____
MATH 101	MATH ACT ≥ 22 or MATH SAT ≥ 520	3	_____	_____*
112	MATH ACT ≥ 26 or MATH SAT ≥ 590 or MATH 101	3	_____	_____*
220	MATH 112	3	W,Sp	_____*
223	MATH 220	3	Sp	_____
SPCH 377		3	_____	_____
PHYS 209	MATH 112	3	_____	_____
210	PHYS 209	3	_____	_____
261	MATH 112 or MATH 241	1	_____	_____
262	PHYS 261	1	_____	_____
ART (ART 290, MUGN 290, SPTH 290, or KINE 280)		3	_____	_____
HIST _____	See note 5	3	_____	_____
BISC 101		3	_____	_____
Social Science	See notes 1 and 5	3	_____	_____
Social Science		3	_____	_____
Social Science		3	_____	_____
Computer Programming (e.g. CSC 100)		3	_____	_____
Directed Elective	See note 2	2	_____	_____
Free Elective		3	_____	_____
TOTAL SEMESTER HOURS		120		

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

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

NOTES
* Requires grade of "C" or better.
** Credit or registration in
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 ELET (Electrical Engineering Technology).
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		Cr	Gr		Cr	Gr			
ELET 100	Intro to Electrical Engr Tech	1	ELET 170*	Electrical Circuit Theory I	3	ELET 180*	Electrical Circuits Theory II	3			
MATH 101*	College Algebra	3	ELET 171	Electrical Circuits I Lab	1	ELET 181	Electrical Circuits II Lab	1			
ENGL 101	Freshman Composition I	3	MATH 112*	Trigonometry	3	HIST _____**		3			
ART†	Fine Arts Appreciation	3	Computer Programming		3	ENGL 102	Freshman Composition II	3			
UNIV 100	University Seminar	1	(e.g. CSC 100)								
		11			10			10			

SOPHOMORE YEAR											
Fall Quarter			Winter Quarter			Spring Quarter					
	Cr	Gr		Cr	Gr		Cr	Gr			
ELET 260*	Electronic Circuit Theory I	3	ELET 270	Instrumentation	3	ELET 272	Electronic Circuit Theory II	3			
ELET 261	Electronic Circuit I Lab	1	ELET 271	Instrumentation Lab	1	ELET 273	Electronic Circuits II Lab	1			
PHYS 209	General Physics I	3	MATH 220*	Applied Calculus	3	ELET 280*	Electrical Power	3			
PHYS 261	General Physics Lab	1	PHYS 210	General Physics II	3	ELET 268	Electrical Projects Lab I	1			
BISC 101	Fundamentals of Biology	3	PHYS 262	General Physics Lab	1	MATH 223	Applied Calculus for ELET	3			
		11			11			11			

JUNIOR YEAR											
Fall Quarter			Winter Quarter			Spring Quarter					
	Cr	Gr		Cr	Gr		Cr	Gr			
ELET 370	Intro to Digital Circuits	2	ELET 360	Electrical Power II	3	ELET 374	Intro To Microprocessors	2			
ELET 380	Printed Digital Circuits	3	ELET 371	Intro to Digital Circuits Lab	1	ELET 375	Microprocessors Lab	1			
CHEM 100*	General Chemistry	2	ELET 378	Electrical Projects Lab II	1	ELET 361	Electro-Mech Power Conv	1			
ENGL 210, 211 or 212	Literature	3	CHEM 101	General Chemistry	2	ENGL 303	Technical Writing	3			
			CHEM 103	General Chemistry Lab	1	Social Science***		3			
		10			8			10			

SENIOR YEAR											
Fall Quarter			Winter Quarter			Spring Quarter					
	Cr	Gr		Cr	Gr		Cr	Gr			
ELET 422	Control Systems I	3	ELET 461	Digital Data Comm. Lab	1	ELET 471	Control Systems II Lab	1			
ELET 423	Control Systems I Lab	1	ELET 470	Control Systems II	3	ELET 472	Seminar	1			
ELET 460	Digital Data Comm. Networks	3	Directed Elective**		2	ELET 476	Capstone Design II	1			
ELET 475*	Capstone Design I	1	Social Science***		3	SPCH 377	Professional Speaking	3			
Social Science***		3				Free Elective		3			
		11			9			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.
 Courses in **bold** are typically offered only once per year.