

ELECTRICAL ENGINEERING TECHNOLOGY
Louisiana Tech University
Curriculum as of 2016

Name _____

Date _____

CWID _____

Email _____@latech.edu

COURSE	PREREQUISITE	SCH	QTR	GRADE
ELET 100		1		R
170	MATH 101	3		*R
171	ELET 170○	1		R
180	ELET 170, MATH 112	3		*R
181	ELET 180○	1		R
260	ELET 180	3		*R
261	ELET 260○	1		R
268	ELET 260	1		R
270	ELET 180	3		R
271	ELET 270○	1		R
272	ELET 260, ELET 273○	3		R
273	ELET 272○	1		R
280	ELET 180	3		*R
360	ELET 280	3		R
361	ELET 360	1		R
371	ELET 372○	1		R
372	ELET 260	3		R
375	ELET 376○	1		R
376	ELET 260, ELET 375○	3		R
380	ELET 260	3		R
422	ELET 372, ELET 423○	3		R
423	ELET 422○	1		R
460	ELET 260	3		R
461	ELET 460○	1		R
470	ELET 272, MATH 223	3		R
471	ELET 470	1		R
472	Senior Standing	1		R
475	Senior Standing	1		*R
476	ELET 475	1		*R
477	ELET 476	1		R
BISC 101		3		
CHEM 100	MATH 101	2		*
101	CHEM 100	2		
103	CHEM 100, 101○	1		
COMM 101		3		□
377		3		
ENGL 101		3		
102	ENGL 101	3		
303	ENGL 102	3		
MATH 101	see catalog	3		*
112	see catalog	3		*
220	MATH 100 OR MATH 101, MATH 112	3		*
223	MATH 220	3		
PHYS 209	MATH 112	3		
210	PHYS 209	3		
261	MATH 112	1		
262	PHYS 261	1		
ELECTIVES				
Art (ART 290, KINE 280, MUGN 290, or THTR 290)		3		
Computer Literacy		3		
ENGL 210, 211, 212 or HIST		3		
Social Science		3		
Social Science		3		
Technical Elective		3		
Technical Elective		3		
TOTAL SEMESTER HOURS		120		

SUBSTITUTIONS		
COURSE	SCH	GRADE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

ADDITIONAL COURSES		
COURSE	SCH	GRADE
1		
2		
3		
4		
5		

GPA	
Rubric GPA	_____
MATH 241-244 GPA	_____

NOTES	
*	requires grade of "C" or higher
○	credit or registration in
R	course in rubric
□	must be completed within first year of enrollment
1	Directed electives must be selected in consultation with advisor.
2	Petitions must be filed for substitutions.
3	A student must have a minimum 2.0 GPA on all hours pursued in courses designated: ELET
4	All students must complete an International Education Requirement (IER). Courses acceptable: HIST 102, GEOG 205, and GEOG 210.

ADDITIONAL COMMENTS	

IER requirement met

Advisor: _____

ELECTRICAL ENGINEERING TECHNOLOGY

Louisiana Tech University

FRESHMAN YEAR								
Fall Quarter		Hr	Winter Quarter		Hr	Spring Quarter		Hr
ELET 100	Intro to Electrical Engr. Tech.	1	ELET 170	Electrical Circuit Theory I	3	ELET 180 *	Electrical Circuit Theory II	3
MATH 101 *	College Algebra	3	ELET 171	Electrical Circuits I Lab	1	ELET 181 *	Electrical Circuits Lab II	1
ENGL 101	Freshman Composition	3	MATH 112*	Trigonometry	3	COMM 101	Principles of Comm. Studies	3
<i>FYE 100</i>	Freshman Year Experience	1	Computer Literacy		3	ENGL 102	Freshman Composition	3
Fine Art	Fine Arts Appreciation	3	(i.e. CSC 130)					
		11			10			10

SOPHOMORE YEAR								
Fall Quarter		Hr	Winter Quarter		Hr	Spring Quarter		Hr
ELET 260 *	Electronic Circuit Theory I	3	ELET 268	Electrical Projects Laboratory	1	ELET 270	Instrumentation	3
ELET 261	Electronic Circuit I Lab	1	ELET 272	Electronic Circuit Theory II	3	ELET 271	Instrumentation Lab	1
PHYS 209	General Physics I	3	ELET 273	Electronic Circuits II Lab	1	ELET 280 *	Electrical Power	3
PHYS 261	General Physics Lab	1	PHYS 210	General Physics II	3	MATH 223	Applied Calculus for ELET	3
MATH 220 *	Applied Calculus	3	PHYS 262	General Physics Lab	1			
		11			9			10

JUNIOR YEAR								
Fall Quarter		Hr	Winter Quarter		Hr	Spring Quarter		Hr
ELET 372	Introduction to Digital Circuits	3	ELET 360	Electrical Power II	3	ELET 376	Introduction to Microcontrollers	3
ELET 380	Printed Digital Circuits	3	ELET 371	Intro to Digital Circuits Lab	1	ELET 375	Microprocessors Lab	1
CHEM 100 *	General Chemistry	2	CHEM 101	General Chemistry	2	ELET 361	Electro-Mech Power Conv.	1
ENGL 210, 211, or 212	Literature	3	CHEM 103	General Chemistry Lab	1	ENGL 303	Technical Writing	3
or HIST***			Social Science***		3	Social Science***		3
		11			10			11

SENIOR YEAR								
Fall Quarter		Hr	Winter Quarter		Hr	Spring Quarter		Hr
ELET 422	Control Systems I	3	ELET 461	Digital Data Comm. Lab	1	ELET 471	Control System 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	ELET 476 *	Capstone Design II	1	ELET 477	Capstone Design III	1
ELET 475 *	Capstone Design I	1	COMM 377	Professional Speaking	3	BISC 101	Fundamentals of Biology I	3
Technical Elective		3				Technical Elective		3
		11			8			9

* requires grade of "C" or higher.

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

Social Science electives can be selected from Anthropology, Criminal Justice, Economics, Geography, International Studies, Interdisciplinary, Political Science, Psychology, and Sociology.

Humanities electives can be selected from Classical Studies, Communications, Foreign Languages, History, Literature, Philosophy, Religious Studies, Interdisciplinary

All students must complete an International Education Requirement prior to graduation. A list of courses can be found in the university catalog.

Courses that do not have any pre-requisite requirement are: GEOG 205, GEOG 210, HIST 102.