

Lamar University - Beaumont
B. S. in Electrical Engineering 2014-2015 (120 hours)

Name _____

Lamar Un. I. D. # _____

Fall

Spring

First Year

MATH 2413 Calculus & Analytic Geo I	
ELEN 1100 Intro to Elec Engr	
CHEM 1311 Chemistry I	
CHEM 1111 Chemistry I Lab	
ENGL 1301 Composition I	
PHIL 1370 Philosophy of Knowledge ^{PH}	

MATH 2414 Calculus & Analytic Geo II	
PHYS 2425 Mechanics & Heat	
Foreign Lang./Comm. Elective ^{CO}	
History Elective ^{HI}	

Programming ^{PR} _____

Second Year

MATH 3435 Calculus & Analytic Geo III	
MATH 3328 Linear Algebra	
PHYS 2426 Heat, Electricity & Magnetism	
MATH 3370 Intro to Theory of Statistical Inference	
Social Science Elective ^{SS}	

MATH 3301 Ordinary Diff Equations	
PHYS 3350 Modern Physics	
ELEN 2411 Circuits I	
ELEN 3431 Digital Logic Design	

Third Year

ELEN 3312 Circuits II	
ELEN 3371 Electromagnetics I	
ELEN 3421 Electronics I	
ELEN 4486 Microcomputers I	

ELEN 3313 Signals and Systems	
ELEN 3322 Electronics II	
ELEN 3381 Electrical Analysis	
ELEN 3441 Fund Power Engr	
ELEN 4387 Microcomputers II	

Fourth Year

ELEN 4200 Electrical Engineering Seminar	
ELEN 4206 Senior Projects Design I	
ELEN 4351 Control Engineering	
ELEN Elective ^{EE}	
ELEN Elective ^{EE}	
POLS 2301 American Government I	

ELEN 4207 Senior Projects Design II	
ELEN Elective ^{EE}	
History Elective ^{HI}	
POLS 2302 American Government II	
Fine Arts Elective ^{FA}	

Notes:

All STEM courses require a grade of 'C' or better to satisfy degree plan/prerequisite requirements.

- (PH) or PHIL 2306 Ethics
- (EE) Non-EE courses may be substituted if approved by the department chair.
- (CO) Communication electives are: COMM 1315, 1321, DSDE 1371, FREN 1311 or SPAN 1311
- (FA) Fine Arts electives are: ARTS 1301, DANC 2304, MUSI 1306, COMM 1375 or PHIL 1330.
- (HI) Two semesters of US or Texas history from HIST 1301, 1302, or 2301.
- (SS) Social Science electives are: ECON 1301, PSYC 2301, SOCI 1301, ECON 2301, ECON 2302 or INEN 2373.
- (PR) ELEN 1301 - Intro to Computers & Programming is needed before taking ELEN 2411 Circuits I (An equivalent high school programming course may be accepted).