

Lamar University Undergraduate Degree Requirements

Name of Degree:	BS Electrical Engineering
All students must satisfy provisions of the Texas Success Initiative program, which are listed elsewhere in this catalog. Developmental courses do not count toward this degree plan.	
I. Special Requirements within the Philosophy of Knowledge Core Curriculum and Physical Activity:	The Department of Electrical Engineering satisfies the Mathematical Science - six semester hours with MATH 2318 Linear Algebra and MATH 3370 Intro to Theory of Statistical Inference and the Laboratory Science – eight hours with CHEM 1411 Chemistry I and PHYS 2425 Calculus Based Physics I. Social Science requirement is INEN 2373.
2. Required Courses for major	ELEN 2411 Circuits I ELEN 3312 Circuits II ELEN 3313 Signals and Systems ELEN 3421 Electronics I ELEN 3322 Electronics II ELEN 3371 Electromagnetics I ELEN 3381 Electrical Analysis ELEN 3431 Digital Logic Design ELEN 3441 Fund. of Power Engineering ELEN 4101 Electrical Engineering Seminar I ELEN 4102 Electrical Engineering Seminar II ELEN 4206 Senior Projects Design I ELEN 4207 Senior Projects Design II ELEN 4351 Control Engineering ELEN 4386 Microcomputer I ELEN 4487 Microcomputer II MATH 2413 Calculus & Analytical Geometry I MATH 2414 Calculus & Analytical Geometry II MATH 2415 Calculus & Analytical Geo III MATH 3301 Ordinary Differential Equations PHYS 2426 Heat, Electricity and Magnetism PHYS 3350 Waves and Modern Physics ELEN Electives-6 hours.
3. Free Electives	

4. Other requirements	Grade requirements for completion of degree: A grade of at least C in each course and at least a 2.0 GPA overall. No more than six hours of independent study.
5. Minor	Not required
TOTAL number of required hours:	124 hours