



**COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY**  
**OKLAHOMA STATE UNIVERSITY**

**General Requirements for Students Matriculating in Academic Year 2011-2012**

**BACHELOR of SCIENCE in ELECTRICAL ENGINEERING**

**MAJOR: Electrical Engineering**

**Minimum Overall Grade Point Average: 2.00**  
**(cumulative graduation/retention GPA)**

**Total Hours: 125**

*Other GPA requirements see below.*

<b>GENERAL EDUCATION REQUIREMENTS: 38 HOURS</b>		
Area	Hours	To be selected from:
Underlined courses below are Pre-Engineering requirements used simultaneously to meet General Education requirements.		
English Composition & Oral Communication	6	ENGL 1113 or 1313, 1213 or 1413, 3323. (Total hours for degree is based on substitution of 3323 for 1213 as per Academic Regulation 3.5)
American History & Government	6	HIST 1103; POLS 1113
Analytical & Quantitative Thought (A)	13	MATH <u>2144</u> , <u>2153</u> , 2163, 2233
Humanities (H)	6	Courses designated (H) at OSU.
Natural Sciences (N)	4	CHEM <u>1414</u> or <u>1515</u>
Social & Behavioral Sciences (S)	3	Any course designated (S) at OSU. Consult the college & departmental requirements.
Diversity (D)	--	Any course designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.
International Dimension (I)	--	Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.
Scientific Investigation (L)	--	Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements.
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS PRE-ENGINEERING: 26 HOURS</b>		
Basic Science	8	PHYS <u>2014</u> , <u>2114</u>
Engineering	3	ENGR 1111, 1342
Engineering Science	9	ENSC <u>2113</u> , 2613, 3213
Computer Science	6	CS <u>1113</u> , plus 3 hours from CS 2133 or 2433

<b>MAJOR REQUIREMENTS: 61 HOURS</b>	
<b>COMMON PROFESSIONAL SCHOOL: 9 HOURS</b>	
Mathematics	3 MATH 3013
Basic Science	3 PHYS 3313
Social & Behavioral Sciences (S)	3 Any course designated (S) at OSU. Consult the college & departmental requirements.
<b>SPECIFIC PROFESSIONAL SCHOOL REQUIREMENTS: 49 HOURS</b>	
Admitted to the Professional School of Electrical and Computer Engineering. (See Professional School admission requirements in the <i>Catalog</i> .)	
1. 28 hours as follows:	
ECEN	2011 3513 4024 3233 3714 4503 3314 4013
IEM	3503
2. Two courses (6 hours) from the following group based on combinations from the departmentally approved list, and with advisor approval.	
ECEN	3113 3613 3723 3913
3. Five ECEN or other courses (15 hours) selected from combinations on the departmentally approved list, including optionally one or more courses listed, but not taken in (2) above, and with advisor approval.	
<b>CONTROLLED ELECTIVES: 3 HOURS</b>	
Select from:	ENSC 2123 2143 2213 Or Engineering courses 3000-level and above; Other courses such as MATH, CS, STAT, etc., May be approved by adviser.

**Other Requirements:**

Admission to professional school is required. Please refer to the OSU Catalog corresponding to your matriculation date for detailed admission requirements.  
 A student must complete course work at OSU satisfying academic regulation 7.2.  
 A student must complete at least 60 credit hours at a senior college.  
 A minimum GPA of 2.00 is required in all courses applied to Major Requirements.  
 A minimum GPA of 2.20 is required in all courses applied to Specific Professional School Requirements.  
 The major engineering design experience is satisfied by ECEN 4013 and 4024.  
 Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.

Signature on file in the Office of the Registrar

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DEAN

DEPARTMENT HEAD