



# COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY

OKLAHOMA STATE UNIVERSITY

General Requirements for Students Matriculating in Academic Year 2012-2013

**BACHELOR of SCIENCE in ELECTRICAL ENGINEERING**

**MAJOR: Electrical Engineering**

**Total Hours: 125**

**Minimum Overall Grade Point Average: 2.00**

*(Cumulative Graduation/Retention GPA), other GPA requirements see below.*

<b>GENERAL COURSES: 29 HOURS</b>			<b>MAJOR REQUIREMENTS/PROFESSIONAL SCHOOL</b>		
<i>Shaded courses identify courses that must be completed prior to admission to professional school.</i>			<b>COMMON PROFESSIONAL SCHOOL: 15 HOURS</b>		
Area	Hours	To be selected from:	Area	Hours	To be selected from:
English Composition & Oral Communication	3	ENGL 1113 or 1313	Mathematics	3	MATH 3013
American History & Government	6	HIST 1103, POLS 1113	Social & Behavioral Sciences (S)	3	Any course designated (S). Consult the college & departmental requirements.
Analytical & Quantitative Thought (A)	13	MATH 2144, 2153, 2163, 2233	English Composition & Oral Communication	3	ENGL 1213 or 1413, 3323 (Total hours for degree is based on substitution of 3323 for 1213, subject to Academic Regulation 3.5)
Natural Sciences (N)	4	CHEM 1414 or 1515	Humanities (H)	6	Any courses designated (H).
Social & Behavioral Sciences (S)	3	Any course designated (S). Consult the college & departmental requirements.	<b>SPECIFIC PROFESSIONAL SCHOOL: 45 HOURS</b> Admitted to Professional School of Electrical and Computer Engineering.		
Diversity (D)	--	Any course designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	Electrical & Computer Engineering	21	ECEN 3314, 3513, 3714, 4013, 4024, 4503
International Dimension (I)	--	Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	Industrial Engineering & Management	3	IEM 3503
Scientific Investigation (L)	--	Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements.	ECEN Junior Electives	6	Choose two courses from the following group based on combinations from the departmentally approved list, and with advisor approval. ECEN 3113, 3613, 3723, 3913
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS: 33 HOURS</b>			ECEN Electives	15	Choose five ECEN or other courses 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.
Basic Science	11	PHYS 2014, 2114, 3313	<b>CONTROLLED ELECTIVES: 3 HOURS</b>		
Engineering	3	ENGR 1111, 1342	Select from the following technical electives: ENSC 2123, 2143, 2213, or engineering courses 3000-level and above; other courses such as MATH, CS, STAT, etc., may be approved by advisor.		
Engineering Science	9	ENSC 2113, 2613, 3213			
Computer Science	6	CS 1113 and 3 hours from CS 2133 or 2433			
Electrical & Computer Engineering	4	ECEN 2011, 3233			

**Admission to Professional School (required):**

Refer to the OSU Catalog corresponding to your matriculation date for detailed admissions requirements.

**Graduation Requirements:**

1. A minimum GPA of 2.00 is required in all courses applied Professional School coursework (right hand column above).
2. A minimum GPA of 2.20 is required in all courses applied to Specific Professional School.
3. The major engineering design experience, capstone course, is satisfied by ECEN 4013 and 4024.
4. Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as the changes do not delay graduation or result in semester hours being added.
5. Students will be held responsible for satisfying University Academic Regulations 1.1 – 7.11, as applicable.

**Note:** All General Education coursework requirements are satisfied upon completion of this degree plan.

Signature on file in the Office of the Registrar

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Dean

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Department Head