



Requirements for Students Matriculation in or before Academic Year 2014-2015

**Total Hours: 125**

<b>GENERAL COURSES: 29 hours</b>			<b>MAJOR REQUIREMENTS/PROFESSIONAL SCHOOL</b>		
<u>Underlined</u> courses identify courses that must be completed prior to admission to professional school			<b>COMMON PROFESSIONAL SCHOOL: 15 HOURS</b>		
AREA	HOURS	TO BE SELECTED FROM	AREA	HOURS	TO BE SELECTED FROM
English Composition & Oral Communication	3	<u>ENGL 1113 or 1313*</u>	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	<u>MATH 2144, 2153, 2163, 2233</u>	English Composition & Oral Communication	3	ENGL 3323*
Natural Sciences (N)	4	<u>CHEM 1414 or 1515</u>	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>		
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 on 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	<u>PHYS 2014, 2114, 3313</u>	<b>CONTROLLED ELECTIVES: 3 HOURS</b>		
Engineering	3	<u>ENGR 1111, 1342</u>	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	<u>ENSC 2113, 2613, 3213</u>	<b>Note:</b>		
Computer Science	6	<u>CS 1113 and 3 hours from CS 2133 or 2433</u>	All General Education coursework requirements are satisfied upon completion of this degree plan.		
Electrical & Computer Engineering	4	<u>ECEN 2011, 3233</u>	* If a "B" or higher is not earned in ENGL 1113 or 1313, ENGL 1213 or 1413 is also required (per Academic Regulation 3.5).		

**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.

**Additional State/OSU Requirements —** At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU. Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours. 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. Degrees that follow this plan must be completed by the end of Summer 2020.

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Department Head