



# COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY

OKLAHOMA STATE UNIVERSITY

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

**BACHELOR of SCIENCE in INDUSTRIAL ENGINEERING and MANAGEMENT**

**MAJOR: Industrial Engineering and Management**

**Total Hours: 126**

**Minimum Overall Grade Point Average: 2.00**

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

<b>GENERAL COURSES: 36 HOURS</b>			<b>MAJOR REQUIREMENTS/PROFESSIONAL SCHOOL</b>		
<i>Underlined 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	<u>ENGL 1113 or 1313*</u>	Engineering Science	6	ENSC 3313 and select from 2123, 2143, 2213, 2613, 3213 or 3233
American History & Government	6	HIST 1103, POLS 1113	Humanities (H)	6	Any courses designated (H).
Analytical & Quantitative Thought (A)	13	<u>MATH 2144, 2153</u> , 2163, 3263	English Composition & Oral Communication	3	ENGL 3323*
Natural Science (N)	8	<u>CHEM 1414, PHYS 2014</u>	<b>SPECIFIC PROFESSIONAL SCHOOL: 45 HOURS</b> Admitted to Professional School of Industrial Engineering and Management.		
Social & Behavioral Sciences (S)	6	SPCH 2713 and any course designated (S). Consult the college & departmental requirements.	Industrial Engineering & Management	42	IEM 3303, 3403, 3503, 3523, 3813, 4013, 4103, 4113, 4203, 4413, 4613, 4713, 4723, 4913
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.		3	Select one course from: IEM 4163, 4343, 4623, 4823, 4953, 4990 (3)
Scientific Investigation (L)	--	Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements.			
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS: 27 HOURS</b>			<b>CONTROLLED ELECTIVES: 3 HOURS</b>		
Basic Science	4	PHYS 2114	3 semester hours of a 3000- or 4000-level ACCT, BADM, CS, ECON, EEE, Engineering, FIN, LSB, MATH, MGMT, MKTG, MSIS, or STAT selected in consultation with an advisor. Required courses in IEM curriculum are excluded.		
Engineering	5	<u>ENGR 1111, 1322 or 1332, 1412</u>			
Engineering Science	9	<u>ENSC 2113</u> and select from 2123, 2143, 2213, 2613, 3213 or 3233			
Industrial Engineering & Management	9	IEM 2903, 3103, 3703			

**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 to Professional School coursework (right hand column above).
2. A 'C' or better is required in each course that is a prerequisite for an IEM course and in technical courses listed in the left column, whether taken prior to admission to Professional School or not.
3. The major engineering design experience is satisfied by IEM 4913.

**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.

\*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).

**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

Department Head