



COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY
OKLAHOMA STATE UNIVERSITY

General Requirements for Students Matriculating in Academic Year 2011-2012

BACHELOR of SCIENCE in MECHANICAL ENGINEERING

MAJOR: Mechanical Engineering

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

Total Hours: 124

Other GPA requirements see below.

GENERAL EDUCATION REQUIREMENTS: 38 HOURS			MAJOR REQUIREMENTS: 58 HOURS		
Area	Hours	To be selected from:	COMMON PROFESSIONAL SCHOOL: 12 HOURS		
Underlined courses below are Pre-Engineering requirements used simultaneously to meet General Education requirements.			Engineering 6 ENSC 3233, 3313		
English Composition & Oral Communication	6	ENGL 1113 or 1313, 1213 or 1413. 3323 may be substituted for 1213, subject to Academic Regulation 3.5.	Basic Science 3 From: ASTR <u>1014</u> , <u>1024</u> , BIOL <u>1114</u> , CHEM 3053, GEOL <u>1114</u> , <u>3413</u> , PHYS 3213, 3313, 3713		
American History & Government	6	HIST 1103; POLS 1113	Social & Behavioral Sciences (S) 3 Any course designated (S) at OSU. Consult		
Analytical & Quantitative Thought (A)	13	MATH <u>2144</u> , <u>2153</u> , 2163, 2233	SPECIFIC PROFESSIONAL SCHOOL REQUIREMENTS: 46 HOURS		
Humanities (H)	6	Courses designated (H) at OSU.	Admitted to the Professional School of Mechanical and Aerospace Engineering. (See Professional School admission requirements in the <i>Catalog</i> .)		
Natural Sciences (N)	4	CHEM <u>1414</u> or <u>1515</u>	1. 27 hours as follows: MAE 3013, 3033, 3113, 3223, 3233, 3323, 3403, 3723, IEM 3503		
Social & Behavioral Sciences (S)	3	Any course designated (S) at OSU. Consult the college & departmental requirements.	2. A total of 13 credit hours from the following 4 categories, selecting one course from each category so that all 4 categories are represented. Category I (Thermal Systems Realization) MAE 4243, 4263, 4703, 4713 Category II (Mechanical Systems Realization) MAE 4353, 4363, 4513 Category III (Laboratory) MAE 4273, 4333, 4733 Category IV (Capstone Design) MAE 4344, 4354		
Diversity (D)	--	Any course designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	3. A total of 6 hours to be selected from the following list, or from courses in the 4 categories listed above, but not used to satisfy that category. MAE 3123, 3253, 3293, 4053, 4063, 4313, 4623		
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.			
COLLEGE/DEPARTMENTAL REQUIREMENTS PRE-ENGINEERING: 28 HOURS					
Basic Science	8	PHYS <u>2014</u> , <u>2114</u>			
Engineering	5	ENGR 1111, 1332, 1412			
Engineering Science	15	ENSC 2113, 2123, 2143, 2213, 2613			

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 GPA of 2.00 is required in all course work listed in the right hand column above.
 The major engineering design experience, capstone course, requirement is satisfied by MAE 4344 or MAE 4354.
 A minimum overall 2.00 GPA is required in 4000-level MAE prefix courses.
 A "C" or better is required in each course that is a prerequisite for a major course.
 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