



COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY
OKLAHOMA STATE UNIVERSITY

General Requirements for Students Matriculating in Academic Year 2012-2013

BACHELOR of SCIENCE in MECHANICAL ENGINEERING

MAJOR: Mechanical Engineering

Total Hours: 124

Minimum Overall Grade Point Average: 2.00

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

GENERAL COURSES: 29 HOURS			MAJOR REQUIREMENTS/PROFESSIONAL SCHOOL		
<i>Shaded courses identify courses that must be completed prior to admission to professional school.</i>			COMMON PROFESSIONAL SCHOOL: 15 HOURS		
Area	Hours	To be selected from:	Area	Hours	To be selected from:
English Composition & Oral Communication	3	ENGL 1113 or 1313	Engineering Science	3	ENSC 3313
American History & Government	6	HIST 1103, POLS 1113	English Composition & Oral Communication	3	ENGL 1213 or 1413 (3323 may be substituted for 1213, subject to Academic Regulation 3.5)
Analytical & Quantitative Thought (A)	13	MATH 2144, 2153, 2163, 2233	Social & Behavioral Sciences (S)	6	Any courses designated (S).
Humanities (H)	3	Any course designated (H).	Humanities (H)	3	Any course designated (H).
Natural Sciences (N)	4	CHEM 1414 or 1515	SPECIFIC PROFESSIONAL SCHOOL: 46 HOURS Admitted to Professional School of Mechanical and Aerospace Engineering.		
Diversity (D)	--	Any course designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	27 credit hours as follows:		
International Dimension (I)	--	Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	MAE 3013, 3033, 3113, 3223, 3233, 3323, 3403, 3723, IEM 3503		
Scientific Investigation (L)	--	Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements.	13 credit hours from the following 4 categories, selecting one course from each category so that all 4 categories are represented.		
COLLEGE/DEPARTMENTAL REQUIREMENTS: 34 HOURS			<u>Category I</u> (Thermal Systems Realization) MAE 4243, 4263, 4703, 4713		
Basic Science	11	PHYS 2014, 2114 and select from: ASTR 1014, 1024, BIOL 1114, CHEM 3053, GEOL 1114, 3413, PHYS 3213, 3313, 3713	<u>Category II</u> (Mechanical Systems Realization) MAE 4353, 4363, 4513		
			<u>Category III</u> (Laboratory) MAE 4273, 4333, 4733		
Engineering	5	ENGR 1111, 1332, 1412	<u>Category IV</u> (Capstone Design) MAE 4344, 4354		
Engineering Science	18	ENSC 2113, 2123, 2143, 2213, 2613, 3233	6 credit hours to be selected from the following list, or from courses in the 4 categories listed above, but not used to satisfy the category requirement. MAE 3123, 3253, 3293, 4053, 4063, 4313, 4623		

Admission to Professional School (required):
Refer to the OSU Catalog corresponding to your matriculation date for detailed admissions requirements.

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

Graduation Requirements:

1. A minimum GPA of 2.00 is required in Professional School coursework (right hand column above).
2. A minimum overall GPA of 2.00 is required in 4000-level MAE prefix courses.
3. A 'C' or better is required in each course that is a prerequisite for a major course.
4. The major engineering design experience, capstone course, is satisfied by MAE 4344 or MAE 4354.
5. 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.
6. Students will be held responsible for satisfying University Academic Regulations 1.1 – 7.11, as applicable.

Signature on file in the Office of the Registrar

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Dean

Department Head