

# CURRICULUM IN MECHANICAL ENGINEERING

(Catalog #134, 2011-2012)

Name: \_\_\_\_\_ Date: \_\_\_\_\_ UIN: \_\_\_\_\_

Course	Credit	2	Prerequisite	Course	Credit	2	Prerequisite
__ ENGR 111 <sup>1</sup>	(1-3)	2	Admission to COE; Co-requisite MATH 151	__ ENGR 112 <sup>1</sup>	(1-3)	2	ENGR 111; MATH 151
__ ENGL 104 <sup>1</sup>	(3-0)	3		__ MATH 152 <sup>1</sup>	(3-2)	4	MATH 151 or equivalent
__ MATH 151 <sup>1</sup>	(3-2)	4	High School Algebra I&II, Trigonometry & Geometry MATH 150 or satisfactory performance on a qualifying exam (MPE ≥ 22).	__ PHYS 208 <sup>1</sup>	(3-3)	4	PHYS 218; MATH 152 or reg. therein
__ PHYS 218 <sup>1</sup>	(3-3)	4	MATH 151 or reg. therein	__ Univ. Core Curriculum Elect. <sup>2</sup>		3	
__ Univ. Core Curriculum Elect. <sup>2</sup>		3		__ CHEM 107/117 <sup>1</sup>	(3-3)	4	
__ KINE 198	(0-2)	1		__ KINE 199 (S/U)	(0-2)	1	
<b>(17)</b>				<b>(18)</b>			
__ MATH 251 <sup>1</sup>	(3-0)	3	MATH 152 or equivalent	__ MATH 308 <sup>1</sup>	(3-0)	3	MATH 251; Knowledge of computer algebra system (Maple)
__ MEEN 221 <sup>1</sup>	(2-2)	3	Admission to upper division (MEEN); MATH 251 or 253 or reg. therein; PHYS 218	__ MEEN 315 <sup>1</sup>	(2-2)	3	MEEN 221; MATH 251 or 253
__ MEEN 222 <sup>1</sup>	(3-0)	3	CHEM 107 & PHYS 218	__ CVEN 305 <sup>1</sup>	(3-0)	3	MEEN 221
__ Univ. Core Curriculum elect. <sup>2</sup>		3		__ ECEN 215 <sup>1</sup>	(2-2)	3	PHYS 208; MATH 308 or registration therein
__ Univ. Core Curriculum elect. <sup>2</sup>		3		__ MEEN 260 <sup>1</sup>	(2-3)	3	MEEN 221; MEEN 315, ECEN 215 & MATH 308 or reg. therein
<b>(15)</b>				<b>(15)</b>			
__ ENGL 301 <sup>4</sup>	(3-0)	3	ENGL 104	__ MEEN 368 <sup>1</sup>	(2-2)	3	CVEN 305; MEEN 357, 360 or reg. therein
__ MEEN 357 <sup>1</sup>	(3-0)	3	ENGR 112, MATH 308	__ MEEN 461 <sup>1</sup>	(3-0)	3	MATH 308; MEEN 344
__ MEEN 363 <sup>1</sup>	(2-2)	3	MEEN 221; MATH 308; MEEN 357 or CVEN 302, registration therein; CVEN 305 or registration therein.	__ MEEN 464	(0-3)	1	MEEN 345; MEEN 461 or reg. therein
__ MEEN 360 <sup>1</sup>	(3-3)	4	MEEN 222 & 260; CVEN 305	__ MEEN 364 <sup>1</sup>	(2-3)	3	ECEN 215; MEEN 260, 363
__ MEEN 344 <sup>1</sup>	(3-0)	3	MEEN 221 and 315	__ MEEN 381	(0-2)	1	Upper –level classification in Mechanical Engineering
__ MEEN 345	(0-3)	1	MEEN 260; MEEN 344 or reg. therein	__ ISEN 302	(2-0)	2	MATH 152
<b>(17)</b>				__ Univ. Core Curriculum Elect. <sup>2</sup>		3	
<b>(17)</b>				<b>(16)</b>			
__ MEEN 401 <sup>1</sup>	(2-3)	3	MEEN 360, 364, 368, 461	__ MEEN 402	(2-3)	3	MEEN 401; jr. or sr. classification
__ MEEN 404	(2-3)	3	MEEN 260, 360, 364, 461; MEEN 401 or reg. therein; jr. or sr. classification	__ Univ. Core Curriculum Elect. <sup>2</sup>		3	
__ Stem Course <sup>3</sup>	(3-0)	3		__ Tech. Elective <sup>3</sup>		3	
__ Stem Course <sup>3</sup>	(3-0)	3		__ Tech. Elective <sup>3</sup>		3	
__ ENGR 482	(2-2)	3	Junior classification	__ Tech. Elective <sup>3</sup>		3	
<b>(15)</b>				<b>(15)</b>			

**Total Hours 128**

1. Requires a grade of "C" or better.
2. To be selected from the University Core Curriculum. Of the 18 hours shown as University Core Curriculum electives, 3 must be from visual and performing arts, 3 from social and behavioral sciences, 6 from U.S. history, and 6 from POLS 206 and POLS 207, and 6 from international and cultural diversity. The international and cultural diversity requirement may be met by courses satisfying the visual and performing arts, social and behavioral sciences, and the political science and history requirements if they are also on the approved list of international and cultural diversity courses.
3. Stem courses & Technical Electives: See the MEEN Academic Advising Office for list of approved course.
4. Students may take ENGL 301 or choose from the following list: COMM 205; ENGL 203, 235, 241.