

CURRICULUM IN MECHANICAL ENGINEERING

(Catalog #131, 2008-2009)

Name: _____ Date: _____ UIN: _____

| Course | Credit | 2 | Prerequisite | Course | Credit | 2 | Prerequisite |
|--|--------|---|--|--|--------|---|---|
| __ENGR 111 ¹ | (1-3) | 2 | Admission to COE; Co-requisite MATH 151 | __ENGR 112 ¹ | (1-3) | 2 | ENGR 111; MATH 151 |
| __ENGL 104 ¹ | (3-0) | 3 | | __MATH 152 ¹ | (3-2) | 4 | MATH 151 or equivalent |
| __MATH 151 ¹ | (3-2) | 4 | High School Algebra I&II, Trigonometry & Geometry MATH 150 or satisfactory performance on a qualifying exam. | __PHYS 208 ¹ | (3-3) | 4 | PHYS 218; MATH 152 or reg. therein |
| __PHYS 218 ¹ | (3-3) | 4 | MATH 151 or reg. therein | __Univ. Core Curriculum Elect. ² | | 3 | |
| __Univ. Core Curriculum Elect. ² | | 3 | | __CHEM 107 ¹ | (3-3) | 4 | |
| __KINE 198 | (0-2) | 1 | | __KINE 199 | (0-2) | 1 | |
| (17) | | | | (18) | | | |
| __MATH 251 ¹ | (3-0) | 3 | MATH 152 or equivalent | __MATH 308 ¹ | (3-0) | 3 | MATH 251; Knowledge of computer algebra system (Maple) |
| __MEEN 221 ¹ | (2-2) | 3 | Admission to upper division (MEEN); MATH 251 or 253 or reg. therein; PHYS 218 | __MEEN 315 ¹ | (2-2) | 3 | MEEN 221; MATH 251 or 253 |
| __MEEN 222 ¹ | (3-0) | 3 | CHEM 107 & PHYS 218 | __CVEN 305 ¹ | (3-0) | 3 | MEEN 221 |
| __Univ. Core Curriculum elect. ² | | 3 | | __ECEN 215 ¹ | (2-2) | 3 | PHYS 208; MATH 308 or registration therein |
| __Univ. Core Curriculum elect. ² | | 3 | | __MEEN 260 ¹ | (2-3) | 3 | MEEN 221; MEEN 315, ELEN 215 & MATH 308 or reg. therein |
| (15) | | | | (15) | | | |
| __ENGL 210 or 301 ⁴ | (3-0) | 3 | ENGL 104 | __MEEN 368 ¹ | (2-2) | 3 | CVEN 305; MEEN 357, 360 or reg. therein |
| __MEEN 357 ¹ | (3-0) | 3 | ENGR 112, MATH 308 | __MEEN 461 ¹ | (3-0) | 3 | MATH 308; MEEN 344 |
| __MEEN 363 ¹ | (2-2) | 3 | CVEN 305; MEEN 221; MATH 308; MEEN 357 or reg. therein | __MEEN 464 | (0-3) | 1 | MEEN 461 or reg. therein |
| __MEEN 360 ¹ | (3-3) | 4 | MEEN 222 & 260; CVEN 305 | __MEEN 364 ¹ | (2-3) | 3 | ECEN 215; MEEN 260, 363 |
| __MEEN 344 ¹ | (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 |
| (17) | | | | __Univ. Core Curriculum Elect. ² | | 3 | |
| (17) | | | | (16) | | | |
| __MEEN 401 ¹ | (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. ² | | 3 | |
| __Stem Course ³ | (3-0) | 3 | | __Tech. Elective ³ | | 3 | |
| __Stem Course ³ | (3-0) | 3 | | __Tech. Elective ³ | | 3 | |
| __ENGR 482 | (2-2) | 3 | Junior classification | __Tech. Elective ³ | | 3 | |
| (15) | | | | (15) | | | |

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 210 or choose from the following list: COMM 205; ENGL 203, 235, 241, or 301.