

TEXAS A&M UNIVERSITY - MECHANICAL ENGINEERING

2020-2021 – Cat. #143 - REVISED

Year 1

16 hrs.
15 hrs.

MATH 151* ⁴ Engineering Math I	ENGR 102* ² Computation Engr. Lab I <i>MATH 151</i>	CHEM 120* or 107*/117* ⁴ Gen. Chem./Lab	ENGL 103 or 104 ³ Comp. & Rhetoric	UCC Elective ³
MATH 152* ⁴ Engineering Math II <i>MATH 151</i>	ENGR 216* ² Mechanics Lab II <i>MATH 151</i> <i>ENGR 102</i> <i>PHYS 206</i>	PHYS 206* ³ Physics for Engineers I <i>MATH 151</i>	Comm. Elective ³ COMM 205 or ENGL 203 or 210	UCC Elective ³

KEY

- Pre-Engineering Coursework
- University Core Curriculum (UCC) general education electives
- Lab Course or Course with Lab Component
- Required Prerequisite Course
- Required Co-Requisite Course
- Number of course credits

*** Course requires grade of C or better**

Year 2

16 hrs.
17 hrs.

MATH 251* ³ Engineering Math III <i>MATH 152</i>	ENGR 217* ² Electricity/Mag. Lab III <i>MATH 152</i> <i>PHYS 206</i> <i>ENGR 216</i> <i>PHYS 207</i>	PHYS 207* ³ Physics for Engineers II <i>MATH 152</i> <i>PHYS 206</i> <i>ENGR 216</i>	MEEN 225* ³ Engineering Mechanics <i>PHYS 206</i> <i>MATH 251</i>	STAT 211* ³ Statistics <i>MATH 152</i>	MEEN 210* ² Modeling for Mech. Design <i>PHYS 206</i> <i>ENGR 102</i>
MATH 308* ³ Differential Equations <i>MATH 251</i>	ECEN 215* ³ Prin. of Electrical Engr. <i>PHYS 207</i> <i>MATH 251</i>	ISEN 302 ² Econ. Engr. Analysis <i>MATH 152</i>	MEEN 489* ³ Mechanics in Materials <i>MEEN 225</i>	MEEN 315* ³ Prin. of Thermodynamics <i>MEEN 225</i> <i>MATH 251</i>	UCC Elective ³

UCC Elective Requirements
core.tamu.edu

- 6 credits of POLS 206 and 207
- 6 credits of American History**
- 3 credits of Creative Arts**
- 3 credits of Soc./Behavioral Sciences**
- 3 credits of Lang/Phil/Cult.

**3 credits of International, Cultural Diversity (ICD) can be dual shared by UCC electives - icd.tamu.edu

**3 credits of Cultural Discourse (CD) can be dual shared by UCC electives

- MEEN 260 & 404 meet University Writing requirement
- ENGR^x / MEEN 399 - High Impact learning experience

Year 3

16 hrs.
17 hrs.

MEEN 357* ³ Engr. Analysis for Mech. <i>MATH 308</i> <i>MEEN 210</i>	MEEN 260* ³ Mechanical Measurements <i>STAT 211</i> <i>ECEN 215</i> <i>MATH 308</i> <i>MEEN 315</i>	MEEN 381 ¹ Seminar	MEEN 363* ³ Dynamics and Vibrations <i>MEEN 225</i> <i>MATH 308</i> <i>MEEN 357</i>	MEEN 344* ³ Fluid Mechanics <i>MEEN 315</i>	UCC Elective ³
MEEN 364* ³ Dynamic Syst. and Control <i>MEEN 260</i> <i>MEEN 363</i>	MEEN 360* ³ Mtls. & Mfg. Select. in Dsn. <i>MEEN 210</i> <i>MEEN 260</i>	MEEN 361* ¹ Mtls. & Mfg. Lab <i>MEEN 360</i> <i>MEEN 260</i>	MEEN 368* ³ Solid Mech. in Mech. Design <i>MEEN 489</i>	MEEN 461* ³ Heat Transfer <i>MEEN 344</i>	UCC Elective ICD** ³

Year 4

16 hrs.
15 hrs.

MEEN 401* ³ Intro. to Mech. Engr. Design <i>MEEN 360/361</i> <i>MEEN 364</i> <i>MEEN 368</i> <i>MEEN 461</i>	MEEN 404 ³ Engineering Laboratory <i>MEEN 360/361</i> <i>MEEN 364</i> <i>MEEN 461</i> <i>MEEN 401</i>	MEEN Thermofluids System Elective ³	MEEN Mech. & Mfg. System Elective ³	MEEN 464* ¹ Heat Transfer Lab <i>MEEN 345</i> <i>MEEN 461</i>	UCC Elective ³
MEEN 402 ³ Intermediate Design <i>MEEN 401</i>	MEEN Technical Elective ³	General Elective Any 300-499 ³	MEEN/Non-MEEN Technical Elective ³	UCC Elective CD** ³	

TOTAL CREDIT HOURS:128
Engineering.tamu.edu/mechanical

NAME: _____
UIN: _____