

TEXAS A&M UNIVERSITY - MECHANICAL ENGINEERING

2018-2019 – Cat. #141 - REVISED

Year 1

16 hrs.
15 hrs.

MATH 151* ⁴ Engineering Math I	ENGR 102* ² Computation Engr. Lab I	CHEM 107*/117* ⁴ Gen. Chem. for Engineers/Lab	ENGL 103or104 ³ Comp. & Rhetoric	UCC Elective ³
MATH 152* ⁴ Engineering Math II	ENGR 216* ² Mechanics Lab II	PHYS 206* ³ Physics for Engineers I	Comm. Elective ³ COMM 205; ENGL 203 or 210	UCC Elective ³
MATH 151	MATH 151 ENGR 102	MATH 151 ENGR 216		

KEY

- Pre-Engineering Coursework
- University Core Curriculum (UCC) general education electives
- Lab courses or courses with labs
- Required Prerequisite
- Preceded or accompanied by; co-requisite
- 3 Number of course credits

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

Year 2

16 hrs.
17 hrs.

MATH 251* ³ Engineering Math III	ENGR 217* ² Electricity/Mag. Lab III	PHYS 207* ³ Physics for Engineers II	MEEN 225* ³ Engineering Mechanics	MEEN/MSEN 222* ³ Materials Science	MEEN 210* ² Modeling for Mech. Design
MATH 308* ³ Differential Equations	ECEN 215* ³ Prin. of Electrical Engr.	ISEN 302 ² Econ. Engr. Analysis	MEEN 489* ³ Mechanics in Materials	MEEN 315* ³ Prin. of Thermodynamics	UCC Elective ³
MATH 152	MATH 152 PHYS 206 ENGR 216 PHYS 207	MATH 152 PHYS 206 ENGR 216 ENGR 217	PHYS 206 MATH 251	CHEM 107/117 PHYS 206	ENGR 102
MATH 251	PHYS 207 MATH 251	MATH 152	MEEN 222 MEEN 225	MEEN 225 MATH 251	

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. - ENGR/PHIL 482

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

*** Course meets University Writing requirement

Year 3

16 hrs.
17 hrs.

MEEN 357* ³ Engr. Analysis for Mech.	MEEN 260* ³ Mechanical Measurements	MEEN 381 ¹ Seminar	MEEN 363* ³ Dynamics and Vibrations	MEEN 344* ³ Fluid Mechanics	UCC Elective ICD** ³
MEEN 364* ³ Dynamic Syst. and Control	MEEN 360* ³ Mtls. & Mfg. Select. in Dsn.	MEEN 361* ¹ Mtls. & Mfg. Lab	MEEN 368* ³ Solid Mech. in Mech. Design	MEEN 461* ³ Heat Transfer	UCC Elective ICD** ³
MATH 308 MEEN 210	MEEN 225 ECEN 215 MATH 308 MEEN 315		MEEN 225 MATH 308 MEEN 357	MEEN 315	
MEEN 260 MEEN 363	MEEN 222 MEEN 260 MEEN 210	MEEN 222 MEEN 260 MEEN 360	MEEN 489	MEEN 344	MEEN 260 MEEN 344

ENGR^X - High Impact learning experience

Year 4

16 hrs.
15 hrs.

MEEN 401* ³ Intro. to Mech. Engr. Design	MEEN 404*** ³ Engineering Laboratory	MEEN ³ Thermofluids System Elective	MEEN ³ Mech. & Mfg. System Elective	MEEN 464* ¹ Heat Transfer Lab	UCC Elective ³
MEEN 402 ³ Intermediate Design	MEEN ³ Technical Elective	General Elective ³ Any 300-499	MEEN/Non-MEEN ³ Technical Elective	ENGR/PHIL 482*** ³ Engineering Ethics	
MEEN 360/361 MEEN 364 MEEN 368 MEEN 461	MEEN 360/361 MEEN 364 MEEN 461 MEEN 401			MEEN 345 MEEN 461	
MEEN 401					

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

NAME: _____
UIN: _____