

TEXAS A&M UNIVERSITY - MECHANICAL ENGINEERING

2019-2020 – Cat. #142

Year 1

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

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.	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	STAT 211* ³ Statistics	MEEN 210* ² Modeling for Mech. Design
17 hrs.	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	MATH 152 PHYS 206	PHYS 206 MATH 251	MATH 152	PHYS 206 ENGR 102
	MATH 251	ENGR 216 PHYS 207	ENGR 216	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.

**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.	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 ³
17 hrs.	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	STAT 211 ECEN 215		MEEN 225 MATH 308	MEEN 315	
	MATH 308 MEEN 315	MATH 308 MEEN 315		MEEN 357		
	MEEN 260 MEEN 363	MEEN 210 MEEN 260	MEEN 360 MEEN 260	MEEN 489	MEEN 344	MEEN 260 MEEN 344

Year 4

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

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

NAME: _____

UIN: _____