

TEXAS A&M UNIVERSITY - MECHANICAL ENGINEERING

2021 - 2022: Cat. #144

Year 1

16 hrs.
15 hrs.

MATH 151* Engineering Math I 4	ENGR 102* Computation Engr. Lab I 2 MATH 151	CHEM 120* or 107/117* Gen. Chem./Lab 4	ENGL 103 or 104 Comp. & Rhetoric 3	POLS 206 American Govt. 3
MATH 152* Engineering Math II 4 MATH 151	ENGR/PHYS 216* Mechanics Lab II 2 MATH 151 ENGR 102 PHYS 206	PHYS 206* Physics for Engineers I 3 MATH 151	Comm. Elective ENGL 210 or 203 COMM 205 3	POLS 207 State/Local Govt. 3

Legend:

- Pre-Engineering Coursework
- University Core Curriculum (UCC) general education course
- Lab Course or Course with Lab Component
- Required Prerequisite Course
- Required Co-Requisite Course
- 3: Number of course credits
- * Course requires grade of C or better

Year 2

16 hrs.
17 hrs.

MATH 251* Engineering Math III 3 MATH 152	ENGR/PHYS 217* Electricity-Mag. Lab III 2 MATH 152 PHYS 206 ENGR 216 PHYS 207	PHYS 207* Physics for Engineers II 3 MATH 152 PHYS 206	MEEN 225* Engineering Mechanics 3 PHYS 206 MATH 251	STAT 211* Statistics 3 MATH 152	MEEN 210* Modeling for Mech. Design 2 ENGR 102
MATH 308* Differential Equations 3 MATH 251	ECEN 215* Prin. of Electrical Engr. 3 PHYS 207 MATH 251	MEEN 315* Prin. of Thermodynamics 3 MEEN 225 MATH 251	MEEN 223* Principles of Mtls. & Mfg. 2 CHEM 107/117 PHYS 206	MEEN 260* Mechanical Measurements 3 STAT 211 ECEN 215 MATH 308 MEEN 315	HIST 105 or other American History Core.tamu.edu 3

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

NAME: _____
UIN: _____

Year 3

17 hrs.
15 hrs.

MEEN 357* Engr. Analysis for Mech. 3 MATH 308	MEEN 363* Dynamics and Vibrations 3 MEEN 225 MATH 308 MEEN 357 MEEN 305	MEEN 344* Fluid Mechanics lecture 3 MATH 308 MEEN 315	MEEN 345* Fluid Mechanics Lab 1 MEEN 260 MEEN 344	MEEN 305* Mechanics in Materials 3 MEEN 225 MEEN 210	MEEN 381* Seminar 1	HIST 106 or other American History Core.tamu.edu 3
MEEN 360* Materials & Mfg. Lecture 3 MEEN 223 MEEN 260	MEEN 361* Materials & Mfg. Lab 1 MEEN 210 MEEN 260 MEEN 360	MEEN 461* Heat Transfer Lecture 3 MEEN 344	MEEN 464* Heat Transfer Lab 1 MEEN 345 MEEN 461	MEEN 364* Dynamic Syst. & Contl. Lecture 3 MEEN 260 MEEN 363 ECEN 215	MEEN 365* Dynamic Syst. & Contl. Lab 1 MEEN 260 MEEN 363 MEEN 364 ECEN 215	MEEN 368* Solid Mech. in Mech. Design 3 MEEN 305 MEEN 210

Year 4

17 hrs.
15 hrs.

MEEN 401* Intro. to Mech. Engr. Design 3 MEEN 360/361 MEEN 368 MEEN 364/365 MEEN 461/464	MEEN Data Sci. & Exp. Elective 3	MEEN Thermofluids System Elective 3	MEEN Mech. & Mfg. System Elective 3	ISEN 302 Econ. Engr. Analysis 2 MATH 152	Social Behavior Science-ICD** Core.tamu.edu 3
MEEN 402 Intermediate Design 3 MEEN 401	MEEN/non-MEEN Tech Elective 3	General Elective Any 300-499 3	Creative Arts** Core.tamu.edu 3	Lang/Phil/Cult. CD** Core.tamu.edu 3	

➤ MEEN 260 & 401 meet University Writing requirement
➤ ENGR^x / MEEN 399 - High Impact learning experience
➤ * Course requires grade of C or better
➤ **Must have 3 credits of International, Cultural Diversity (ICD) and 3 credits of Cultural Discourse (CD) which can be dual shared with UCC electives - **core.tamu.edu**