

TEXAS A&M UNIVERSITY - MECHANICAL ENGINEERING

2018-2019 – Cat. #141 - REVISED

Year 1

16 hrs.

MATH 151*⁴
Engineering Math I

ENGR 102*²
Computation Engr. Lab I

CHEM 107*/117⁴
Gen. Chem. for Engineers/Lab

ENGL 103or104³
Comp. & Rhetoric

UCC Elective³

15 hrs.

MATH 152*⁴
Engineering Math II

ENGR 216*²
Mechanics Lab II

PHYS 206*³
Physics for Engineers I

Comm. Elective³
COMM 205; ENGL 203 or 210

UCC Elective³

MATH 151

MATH 151 ENGR 102

MATH 151 ENGR 216

PHYS 206

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.

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 152

MATH 152 PHYS 206

MATH 152 PHYS 206

PHYS 206 MATH 251

CHEM 107/117

ENGR 102

17 hrs.

MATH 308*³
Differential Equations

ECEN 215*³
Prin. of Electrical Engr.

ISEN 302²
Econ. Engr. Analysis

MEEN 305*³
Mechanics in Materials

MEEN 315*³
Prin. of Thermodynamics

UCC Elective³

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

ENGR^x - High Impact learning experience

Year 3

16 hrs.

MEEN 357*³
Engr. Analysis for Mech.

MEEN 260*³
Mechanical Measurements

MEEN 381¹
Seminar

MEEN 363*³
Dynamics and Vibrations

MEEN 344*³
Fluid Mechanics

UCC Elective ICD**³

MATH 308 MEEN 210

MEEN 225 ECEN 215

MEEN 225 MATH 308

MEEN 315

MATH 308 MEEN 315

MEEN 357

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

MEEN 345*¹
Fluid Mechanics Lab

UCC Elective ICD**³

MEEN 260 MEEN 363

MEEN 222 MEEN 260

MEEN 222 MEEN 260

MEEN 305

MEEN 344

MEEN 260 MEEN 344

MEEN 210

MEEN 360

Year 4

16 hrs.

MEEN 401*³
Intro. to Mech. Engr. Design

MEEN 404***³
Engineering Laboratory

MEEN Thermofluids System Elective³

MEEN Mech. & Mfg. System Elective³

MEEN 464*¹
Heat Transfer Lab

UCC Elective³

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

MEEN 360/361 MEEN 364

MEEN 360/361 MEEN 364

MEEN 345 MEEN 461

MEEN 368 MEEN 461

MEEN 461 MEEN 401

15 hrs.

MEEN 402³
Intermediate Design

MEEN Technical Elective³

General Elective Any 300-499³

MEEN/Non-MEEN Technical Elective³

ENGR/PHIL 482***³
Engineering Ethics

MEEN 401

NAME: _____

UIN: _____