

M E 344 M E 266P

M E 144L

M E 353

M E 366J

M E 344

M E 144L

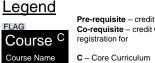
M E 353

( M E 266K )

Varies with each track

### 16-18 through 2024-26

Undergraduate Catalog General Curriculum



PRE-REQ (CO-REQ)

Pre-requisite - credit for Co-requisite - credit OR

 Supporting Course T - Technical Area

Course Flags
In the process of fulfilling the core curriculum and other degree requirements, undergrads complete courses with content in the following areas:

- Wr Writing (2 courses)
   QR Quantitative Reasoning (1 course)
   GC Global Cultures (1 course)
- CD Cultural Diversity in the US (1 course)
- E Ethics (1 course)

  II Independent Inquiry (1 course)
- \*not all courses will carry this flag; check the course schedule



Choose from the ABET approved list found in the advising office or online RHE 306

Varies with each track

#### **MECHANICAL ENGINEERING**

## 16-18 through 2024-26 Undergraduate Catalog

# Suggested Arrangement of Courses for Eight-Semester Program 126 credit hours

## First Year:

33 credit hours

Fall:	Hours:	Spring:	Hours:
CH 301, Principles of Chemistry I	4 s3 3	M 408D, Sequences, Series, & Multivariable Calculu PHY 303K, Engineering Physics_ PHY 105M, Lab for PHY 303K_  Approved Visual and Performing Arts*_ Approved Social and Behavioral Science*_ E S 333T, Engineering Communication_  TOTAL_	3 1 3 3 3
Second Year: 33 credit hours			
Fall:	Hours:	Spring:	Hours:
M 427J, Diff. Eqns. With Linear Algebra	3 1 3 3	M 427L, Advanced Calculus for Applications II E M 319, Mechanics of Solids M E 318M, Intro. to Comp. & Engr. Comp. Methods M E 314D, Dynamics US History*	3 3 3
TOTAL	17	TOTAL	16
Third Year: 28 credit hours			
Fall:	Hours:	Spring:	Hours:
M E 330, Fluid Mechanics	13133	M E 339, Heat Transfer	13313
TOTAL	14	TOTAL	14
Fourth Year: 32 credit hours			
Fall:	Hours:	Spring:	Hours:
M E 344, Dynamic Systems and Controls  M E 144L, Dynamic Systems and Controls Laborat  M E 353, Engineering Finance  M E 366J, Mechanical Engr. Design Methodology  Approved Career Gateway Elective *  American and Texas Government	3 3 3 3	M E 266K, Mechanical Engineering Design Project M E 266P, Design Project Laboratory  Approved Career Gateway Elective *  Approved Career Gateway Elective *  Approved Mathematics or Natural Science Elective* E 316, Masterworks of Literature	2 2 3 3 3 3 3
TOTAL	16	TOTAL	16

<sup>\*</sup>Check with the M E Academic Advising Office in ETC 2.146 for a list of approved courses.