

MECHANICAL ENGINEERING

16-18, 18-20, 20-22, 22-24 & 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	3	M 408D, Sequences, Series, & Multivariable Calculus	s4
M 408C, Differential & Integral Calculus	4	PHY 303K, Engineering Physics	3
M E 302, Intro. to Engineering Design and Graphics	3	PHY 105M, Lab for PHY 303K	1
RHE 306, Rhetoric and Writing	3	Approved Visual and Performing Arts*	3
UGS 302 or 303, First-Year Signature Course	3	Approved Social and Behavioral Science*	3
		E S 333T, Engineering Communication	3
TOTAL	16	TOTAL	17

Second Year:

33 credit hours

Fall:	Hours:	Spring:	Hours:
M 427J, Diff. Eqns. With Linear Algebra	4	M 427L, Advanced Calculus for Applications II	4
PHY 303L, Engineering Physics II	3	E M 319, Mechanics of Solids	3
PHY 105N, Lab for PHY 303L	1	M E 318M, Intro. to Comp. & Engr. Comp. Methods	3
E M 306, Statics	3	M E 314D, Dynamics	3
M E 316T, Thermodynamics	3	US History*	3
American and Texas Government	3		
TOTAL	17	TOTAL	16

Third Year:

28 credit hours

Fall:	Hours:	Spring:	Hours:
M E 330, Fluid Mechanics	3	M E 339, Heat Transfer	3
M E 130L, Experimental Fluid Mechanics	1	M E 139L, Experimental Heat Transfer	1
M E 334, Materials Engineering	3	M E 338, Machine Elements	3
M E 134L, Materials Engineering Laboratory	1	M E 340, Mechatronics	3
M E 335, Engineering Statistics	3	M E 140L, Mechatronics Laboratory	1
US History*	3	Approved Career Gateway Elective*	3
TOTAL	14	TOTAL	14

Fourth Year:

32 credit hours

Fall:	Hours:	Spring:	Hours:
M E 344, Dynamic Systems and Controls	3	M E 266K, Mechanical Engineering Design Project_	2
M E 144L, Dynamic Systems and Controls Laborate	ory_1	M E 266P, Design Project Laboratory	2
M E 353, Engineering Finance	3	Approved Career Gateway Elective *	3
M E 366J, Mechanical Engr. Design Methodology_	3	Approved Career Gateway Elective *	3
Approved Career Gateway Elective *	3	Approved Mathematics or Natural Science Elective*_	3
American and Texas Government	3	E 316, Masterworks of Literature	3
TOTAL	16	TOTAL	16

*Check with the M E Academic Advising Office in ETC 2.146 for a list of approved courses.