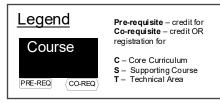


2026 - 2028

Undergraduate Catalog General Curriculum





Wr **ME 466E** Spring Senior Design M E 344

> M E 144L M E 353 M E 366J

CGE Career Gateway Varies with each track

CGE Career Gateway Elective Varies with each track

Math or Natural Sci. Elective Choose from the ABET

approved list found in the advising office or online

E 316 Must take E 316L, 316M, 316N, or 316P RHE 306

MECHANICAL ENGINEERING

2026 – 2028 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 Calculu	ıs4
M 408C, Differential & Integral Calculus		PHY 303K, Engineering Physics	
M E 302, Intro. to Engineering Design and Graphics		PHY 105M , Lab for PHY 303K	
RHE 306, Rhetoric and Writing	3	Approved Visual and Performing Arts*	
UGS 302 or 303, First-Year Signature Course	3	Approved Social and Behavioral Science*	
		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		E M 319, Mechanics of Solids_	
PHY 105N, Lab for PHY 303L	1	M E 318M, Intro. to Comp. & Engr. Comp. Methods	
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		M E 139L, Experimental Heat Transfer	
M E 334, Materials Engineering		M E 338, Machine Elements	3
M E 134L, Materials Engineering Laboratory		M E 340, Mechatronics	3
M E 335, Engineering Statistics		M E 140L, Mechatronics Laboratory	1
US History*	3	Approved Career Gateway Elective*	3
TOTAL	14	TOTAL	14
Fourth Year:			
	32 cre	dit hours	
Fall:	Hours:	Spring:	Hours:
M E 344, Dynamic Systems and Controls	3	M E 466E, Mechanical Engineering Design Project_	4
M E 144L, Dynamic Systems and Controls Laborate	o <i>ry</i> _1	Approved Career Gateway Elective *	3
M E 353, Engineering Finance	3	Approved Career Gateway Elective *	3
M E 366J, Mechanical Engr. Design Methodology_	3	Approved Mathematics or Natural Science Elective*_	3
Approved Career Gateway Elective *	3	E 316, Masterworks of Literature	3
American and Texas Government	3		
TOTAL_	16	TOTAL	16

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