2016-18, 2018-20, 2020-22

FLAG Co-requisite - credit OR Course C registration for

Legend

Course Name

PRE-REQ (CO-REQ)

- Core Curriculum

- Supporting Course T - Technical Area

Pre-requisite - credit for

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

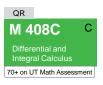
Wr – Writing (2 courses)
 QR – Quantitative Reasoning (1 course)
 GC – Global Cultures (1 course)

• 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















Fall

M 408D **Spring** Sequences, Serie Multivariable

M 408C

QR







PHY 303K

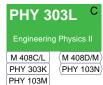






Fall











PHY 303K



2

Spring





PHY 303K







Fall













Spring

3







M E 339			
Heat Transfer			
M E 318M	M E 1391		
M E 330			
M E 130L			





Fall



ME344



M E 344

Λ

Vr	QR
I E 366J	M E 3
Design thodology	Engineerin Finance
L ARE PRE-REQS:	M E 335

Welliodolog	у
ALL ARE F	PRE-REQS:
M E 302	M E 338
M E 333T	M E 339
M E 330	M E 139L
M E 130L	M E 340
M E 335	M E 140L

Varies with each track

CGE







4

S

	II, Wr
pring	M E 266

Design Fi	Design Froject		
M E 344	M E 266		
M E 144L			
M E 353			
M E 366J			



Design Project Lab		
M E 344	M E 266K	
M E 144L		
M E 353		
M E 366J		

Т Math or Natural Sci. Career Gateway **Elective**

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

CD*/GC* E 316 *Must take E 316L, 316M, 316N, or 316P

RHE 306



MECHANICAL ENGINEERING

2016-2018/2018-2020/2020-2022 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	ıs 4
M 408C, Differential & Integral Calculus		PHY 303K, Engineering Physics	
M E 302, Intro. to Engineering Design and Graphics_		PHY 103M, Engineering Physics I Laboratory	
RHE 306, Rhetoric and Writing		Approved Visual and Performing Arts*	
UGS 302 or 303, First-Year Signature Course		Approved Social and Behavioral Science*	3
		M E 333T, Engineering Communication	
TOTAL	16	TOTAL	17
		nd Year: dit hours	
	33 016	uit nours	
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	3
PHY 103N, Engineering Physics II Laboratory		M E 318M, Intro. to Comp. & Engr. Comp. Methods	
E M 306, Statics		M E 314D, Dynamics	
M E 316T, Thermodynamics		US History*	3
American and Texas Government	3	,	
TOTAL	17	TOTAL	16
		I Year: dit 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	3	M E 140L, Mechatronics Laboratory	1
Approved Career Gateway Elective*	3	Approved Career Gateway Elective*	3
TOTAL	14	TOTAL	14
	Fourt	h Year:	
	32 cre	dit 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 Laborator		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 Mathematics or Natural Science Elective*	
Approved Career Gateway Elective *	3	E 316, Masterworks of Literature	3
American and Texas Government	3	US History*	3
TOTAL	16	TOTAL	16

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