16-18, 18-20, 20-22 & 2022-24 Undergraduate Catalog General Curriculum



Course Name

Co-requisite - credit OR registration for

- Core Curriculum

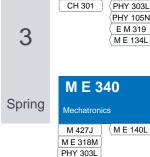
- Supporting Course

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)







ME 144L

Dynamic Systems

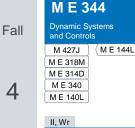
M E 344











PHY 103N



CGE

Career Gateway

ME366J

Wr





	11, **1
Spring	M E 266k
	Design Project

Design Pro	ject
M E 344	M E 266F
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				



Math or	S
Natural Sci.	
Elective	
Choose from the ABE	Т

approved list found in the advising office or online



MECHANICAL ENGINEERING

16-18, 18-20, 20-22, 2022-2024 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 105M, Lab for PHY 303K				
RHE 306, Rhetoric and Writing		Approved Visual and Performing Arts*				
UGS 302 or 303, First-Year Signature Course		Approved Social and Behavioral Science*				
,		M E 333T, Engineering Communication				
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		M E 314D, Dynamics				
M E 316T, Thermodynamics	3	US History*				
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				
M E 134L, Materials Engineering Laboratory		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		M E 266P, Design Project Laboratory	2			
M E 353, Engineering Finance	3	Approved Career Gateway Elective *	2			
M E 366J, Mechanical Engr. Design Methodology_	3 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			
	_	·				

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

TOTAL____

_16

_____16

TOTAL____