



The University of Texas at Austin
Mechanical Engineering
 Cockrell School of Engineering

2016-18, 2018-20, 2020-22

Undergraduate Catalog General Curriculum

Legend		Course Flags In the process of fulfilling the core curriculum and other degree requirements, undergrads complete courses with content in the following areas:
FLAG	Pre-requisite – credit for	<ul style="list-style-type: none"> • 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) <small>*not all courses will carry this flag; check the course schedule</small>
Course C	Co-requisite – credit OR registration for	
Course Name	C – Core Curriculum	
PRE-REQ	S – Supporting Course	
CO-REQ	T – Technical Area	

Suggested Arrangement for Materials Engineering

Fall	QR M 408C C Differential and Integral Calculus 70+ on UT Math Assessment	QR CH 301 C Principles of Chemistry I ALEKS 85+ (M 408C/D)	M E 302 Intro to Engr. Design & Graphics	CD*/GC* UGS 302/3 C First-Year Signature Course	RHE 306 C Rhetoric and Writing	
	Spring	M 408D Sequences, Series & Multivariable Calculus M 408C	QR PHY 303K C Engineering Physics I M 408C/K (M 408D/L) (PHY 103M)	QR PHY 105M Lab for PHY 303K (PHY 303K)	E, Wr E S 333T Engineering Communication RHE 306	
Fall	QR M 427J Diff. Eqns. With Linear Algebra M 408D/L	PHY 303L C Engineering Physics II M 408C/L (M 408D/M) (PHY 103M) (PHY 103N)	PHY 105N Lab for PHY 303L PHY 103M (PHY 303L)	E M 306 Statics M 408D/L (PHY 303K) (PHY 103M)	M E 316T Thermodynamics CH 301 (M 408D/M) (PHY 303K)	GOV 310L C Amer. Government
	Spring	M 427L Advanced Calculus for Applications II M 408D/L	E M 319 Mechanics of Solids E M 306 (M 408D/M) (PHY 303K)	M E 318M Intro to Comp & Engr. Comp. Methods M 427J	M E 334 Materials Engineering CH 301 (PHY 303L) (PHY 103N) (E M 319) (M E 134L)	M E 134L Materials Engineering Lab M E 334
Fall	M E 330 Fluid Mechanics E M 306 (M E 130L) (M 427J) (M E 316T)	M E 130L Expt. Fluid Mechanics M E 330	QR M E 335 Engineering Statistics M 408D/M	M E 314D Dynamics E M 306 (M 408D/M)	CGE T Career Gateway Elective Varies with each track	CD*/GC* VAPA C Visual & Performing Arts from Approved List
	Spring	M E 340 Mechatronics M 427J (M E 140L) (M E 318M) (PHY 303L) (PHY 103N)	M E 140L Mechatronics Lab M E 340	M E 338 Machine Elements E M 319 (M E 334) (M E 134L)	M E 339 Heat Transfer M E 318M (M E 139L) (M E 330) (M E 130L)	M E 139L Expt. Heat Transfer M E 339
Fall	M E 344 Dynamic Systems and Controls M 427J (M E 144L) (M E 318M) (M E 314D) (M E 340) (M E 140L)	M E 144L Dynamic Systems and Controls Lab M E 344	Wr M E 366J ME Design Methodology ALL ARE 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)	QR M E 353 Engineering Finance M E 335	CGE T Career Gateway Elective Varies with each track	CD* GOV 312L/P C Topics in Government
	Spring	II, Wr M E 266K Design Project M E 344 (M E 266P) (M E 144L) (M E 353) (M E 366J)	M E 266P Design Project Lab M E 344 (M E 266K) (M E 144L) (M E 353) (M E 366J)	CGE T Career Gateway Elective Varies with each track	CD* US History C Approved US History Course	Math or Natural Sci. Elective S Choose from the ABET approved list found in the advising office or online