



The University of Texas at Austin Mechanical Engineering

Cockrell School of Engineering

2016 - 2018 Undergraduate Catalog

General Curriculum

Legend

FLAG

Course B

Course Name

PRE-REQ

CO-REQ

Pre-requisite – credit for
Co-requisite – credit OR
registration for

C – Core Curriculum
S – Supporting Course
T – Technical Area

1	Fall	<p>QR</p> <p>M 408C ^C</p> <p>Differential and Integral Calculus</p> <p>70+ on UT Math Assessment</p>	<p>QR</p> <p>CH 301 ^C</p> <p>Principles of Chemistry I</p> <p>ALEKS 85+ (M 408C/D)</p>	<p>M E 302</p> <p>Intro to Engr. Design & Graphics</p> <p>(M 408C/K)</p>	<p>Varies</p> <p>UGS 302/3 ^C</p> <p>First-Year Signature Course</p>	<p>RHE 306 ^C</p> <p>Rhetoric and Writing</p> <p>Claim Credit: ACT 26+ SAT Writing 600-800</p>	
	Spring	<p>M 408D</p> <p>Sequences, Series & Multivariable Calculus</p> <p>(M 408C)</p>	<p>QR</p> <p>PHY 303K ^C</p> <p>Engineering Physics I</p> <p>(M 408C) (PHY 103M)</p>	<p>QR</p> <p>PHY 103M</p> <p>Engr. Physics I Lab</p> <p>(PHY 303K)</p>	<p>Varies</p> <p>VAPA ^C</p> <p>Visual & Performing Arts from Approved List</p>	<p>Varies</p> <p>Soc. Sci. ^C</p> <p>Social & Behavioral Sci. from Approved List</p>	<p>Varies</p> <p>US History ^C</p> <p>Approved US History Course</p>
2	Fall	<p>M 427J</p> <p>Diff. Eqns. With Linear Algebra</p> <p>(M 408D)</p>	<p>PHY 303L ^C</p> <p>Engineering Physics II</p> <p>(M 408D) (PHY 103N) (PHY 303K)</p>	<p>PHY 103N</p> <p>Engr. Physics II Lab</p> <p>(PHY 303L)</p>	<p>E M 306</p> <p>Statics</p> <p>(M 408D) (PHY 303K) (PHY 103M)</p>	<p>M E 316T</p> <p>Thermodynamics</p> <p>(CH 301) (M 408D) (PHY 303K)</p>	<p>GOV 310L ^C</p> <p>Amer. Government</p>
	Spring	<p>M 427L</p> <p>Advanced Calculus for Applications II</p> <p>(M 427K/J)</p>	<p>E M 319</p> <p>Mechanics of Solids</p> <p>(E M 306) (M 408D) (PHY 303K)</p>	<p>M E 318M</p> <p>Intro to Comp & Engr. Comp. Methods</p> <p>(M 427K/J)</p>	<p>M E 314D</p> <p>Dynamics</p> <p>(E M 306) (M 408D) (M E 318M)</p>	<p>EL, Wr</p> <p>M E 333T</p> <p>Engineering Communications</p> <p>(RHE 306)</p>	
3	Fall	<p>M E 334</p> <p>Materials Engineering</p> <p>(CH 301) (PHY 303L) (PHY 303K) (PHY 103M) (M E 302) (PHY 303L) (PHY 103N) (E M 319) (M E 134L)</p>	<p>M E 134L</p> <p>Materials Engineering Lab</p> <p>(M E 302) (M E 334)</p>	<p>M E 330</p> <p>Fluid Mechanics</p> <p>(E M 306) (M E 130L) (M 427K/J) (M E 316T)</p>	<p>M E 130L</p> <p>Expt. Fluid Mechanics</p> <p>(M E 330)</p>	<p>M E 335</p> <p>Engineering Statistics</p> <p>(M 408D) (M E 318M)</p>	<p>CGE ^T</p> <p>Career Gateway Elective</p> <p>Varies with each track</p>
	Spring	<p>M E 340</p> <p>Mechatronics</p> <p>(M 408D) (PHY 303L) (PHY 103N) (M E 140L)</p>	<p>M E 140L</p> <p>Mechatronics Lab</p> <p>(M E 340)</p>	<p>M E 338</p> <p>Machine Elements</p> <p>(E M 319) (M E 334)</p>	<p>M E 339</p> <p>Heat Transfer</p> <p>(M E 318M) (M E 330) (M E 130L) (M E 139L)</p>	<p>M E 139L</p> <p>Expt. Heat Transfer</p> <p>(M E 339)</p>	<p>CGE ^T</p> <p>Career Gateway Elective</p> <p>Varies with each track</p>
4	Fall	<p>M E 344</p> <p>Dynamic Systems and Controls</p> <p>(M 427K/J) (M E 144L) (M E 318M) (M E 314D) (M E 340) (M E 140L)</p>	<p>M E 144L</p> <p>Dynamic Systems and Controls Lab</p> <p>(M E 344)</p>	<p>Wr</p> <p>M E 366J</p> <p>ME Design Methodology</p> <p>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)</p>	<p>M E 353</p> <p>Engineering Finance</p> <p>(M 408D) (M E 318M) (M E 335)</p>	<p>CGE ^T</p> <p>Career Gateway Elective</p> <p>Varies with each track</p>	<p>Varies</p> <p>GOV 312L ^C</p> <p>Topics in Government</p> <p>(GOV 310L)</p>
	Spring	<p>II, Wr</p> <p>M E 266K</p> <p>Design Project</p> <p>(M E 344) (M E 144L) (M E 353) (M E 366J) (M E 266P)</p>	<p>M E 266P</p> <p>Design Project Lab</p> <p>(M E 344) (M E 144L) (M E 353) (M E 366J) (M E 266K)</p>	<p>CGE ^T</p> <p>Career Gateway Elective</p> <p>Varies with each track</p>	<p>Math or Natural Sci. ^S</p> <p>From Approved List</p>	<p>Varies</p> <p>E 316 ^C</p> <p>Humanities</p> <p>(RHE 306)</p>	<p>Varies</p> <p>US History ^C</p> <p>Approved US History Course</p>