



# The University of Texas at Austin Mechanical Engineering

Cockrell School of Engineering  
2014 - 2016 Undergraduate Catalog  
General Curriculum

## Legend

FLAG

Course <sup>B</sup>

Course Name

PRE-REQ | CO-REQ

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

**B** – Basic Sequence  
**C** – Core Curriculum  
**M** – Major Sequence  
**S** – Supporting Course  
**T** – Technical Area

1	Fall	<p><b>M 408C</b> <sup>B</sup> Differential and Integral Calculus 70+ on UT Math Assessment</p>	<p><b>CH 301</b> <sup>B</sup> Principles of Chemistry I ALEKS 85+   M 408C/D</p>	<p><b>M E 302</b> <sup>B</sup> Intro to Engr. Design &amp; Graphics M 408C/K</p>	<p><i>Varies</i> <b>UGS 302/3</b> <sup>C</sup> First-Year Signature Course</p>	<p><b>RHE 306</b> <sup>C</sup> Rhetoric and Writing Claim Credit: ACT 26+ SAT Writing 600-800</p>	
	Spring	<p><b>M 408D</b> <sup>B</sup> Sequences, Series &amp; Multivariable Calculus M 408C</p>	<p><b>PHY 303K</b> <sup>B</sup> Engineering Physics I M 408C   PHY 103M</p>	<p><b>PHY 103M</b> <sup>B</sup> Engr. Physics I Lab PHY 303K</p>	<p><i>Varies</i> <b>VAPA</b> <sup>C</sup> Visual &amp; Performing Arts from Approved List</p>	<p><i>Varies</i> <b>Soc. Sci.</b> <sup>C</sup> Social &amp; Behavioral Sci. from Approved List</p>	<p><i>Varies</i> <b>US History</b> <sup>C</sup> Approved US History Course</p>
2	Fall	<p><b>M 427J</b> <sup>B</sup> Diff. Eqns. With Linear Algebra M 408D</p>	<p><b>PHY 303L</b> <sup>B</sup> Engineering Physics II M 408D   PHY 103N   PHY 303K</p>	<p><b>PHY 103N</b> <sup>B</sup> Engr. Physics II Lab PHY 303L</p>	<p><b>E M 306</b> <sup>B</sup> Statics M 408D   PHY 303K   PHY 103M</p>	<p><b>M E 326</b> <sup>B</sup> Thermodynamics CH 301   M 408D   PHY 303K</p>	
	Spring	<p><b>M E 318M</b> <sup>B</sup> Intro to Comp. &amp; Engineering Comp. Methods M 427K/J</p>	<p><b>E M 319</b> <sup>B</sup> Mechanics of Solids E M 306   M 408D   PHY 303K</p>	<p><b>M E 324</b> <sup>B</sup> Dynamics E M 306   M 408D   M E 318M</p>	<p><b>M E 330</b> <sup>B</sup> Fluid Mechanics E M 306   M 427K/J   M E 326</p>	<p><b>M E 130L</b> <sup>B</sup> Expt. Fluid Mechanics M E 330</p>	<p><i>EL, Wr</i> <b>M E 333T</b> <sup>B</sup> Engineering Communications RHE 306</p>
3	Fall	<p><b>M E 334</b> <sup>M</sup> Materials Engineering CH 301   PHY 303K   PHY 103M   M E 302   PHY 303L   PHY 103N   E M 319   M E 134L</p>	<p><b>M E 134L</b> <sup>M</sup> Materials Engineering Lab M E 302   M E 334</p>	<p><b>M E 339</b> <sup>M</sup> Heat Transfer M E 318M   M E 330   M E 130L</p>	<p><b>M E 139L</b> <sup>M</sup> Expt. Heat Transfer M E 139L</p>	<p><b>M E 335</b> <sup>S</sup> Engineering Statistics M 408D   M E 318M</p>	<p><b>CGE</b> <sup>T</sup> Career Gateway Elective <i>Varies with each track</i></p>
	Spring	<p><b>M E 340</b> <sup>M</sup> Mechatronics M 408D   PHY 303L   PHY 103N   M E 140L</p>	<p><b>M E 140L</b> <sup>M</sup> Mechatronics Lab M E 340</p>	<p><b>M E 338</b> <sup>M</sup> Machine Elements E M 319   M E 334</p>	<p><b>M E 353</b> <sup>S</sup> Engineering Finance M 408D   M E 318M   M E 335</p>	<p><b>CGE</b> <sup>T</sup> Career Gateway Elective <i>Varies with each track</i></p>	<p><b>GOV 310L</b> <sup>C</sup> Amer. Government</p>
4	Fall	<p><b>M E 344</b> <sup>M</sup> Dynamic Systems and Controls M 427K/J   M E 144L   M E 318M   M E 324   M E 340   M E 140L</p>	<p><b>M E 144L</b> <sup>M</sup> Dynamic Systems and Controls Lab M E 344</p>	<p><i>Wr</i> <b>M E 366J</b> <sup>M</sup> ME Design Methodology <b>ALL ARE PRE-REQS:</b> 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><b>CGE</b> <sup>T</sup> Career Gateway Elective <i>Varies with each track</i></p>	<p><b>Math Elective</b> <sup>S</sup> <i>From Approved List</i></p>	<p><i>Varies</i> <b>GOV 312L</b> <sup>C</sup> Topics in Government GOV 310L</p>
	Spring	<p><i>II, Wr</i> <b>M E 266K</b> <sup>M</sup> Design Project M E 344   M E 144L   M E 353   M E 366J   M E 266P</p>	<p><b>M E 266P</b> <sup>M</sup> Design Project Lab M E 344   M E 144L   M E 353   M E 366J   M E 266K</p>	<p><b>CGE</b> <sup>T</sup> Career Gateway Elective <i>Varies with each track</i></p>	<p><b>Math or Natural Sci.</b> <sup>S</sup> <i>From Approved List</i></p>	<p><i>Varies</i> <b>E 316</b> <sup>C</sup> Humanities RHE 306</p>	<p><i>Varies</i> <b>US History</b> <sup>C</sup> Approved US History Course</p>