

Department of Mechanical Engineering

FLOWCHART

Catalog: 2014 - 2016

Dept. & Course #	B - basic seq. M - major seq. S - supporting seq. C - core curriculum
Course Flag	
Course Title	
PRE	CO
All Prereqs. Listed Here C- or better Required	All Corequisites Listed Here

Course Flags
In the process of fulfilling the core curriculum and other degree requirements, undergrads complete courses with content in the following six areas:
Wr - Writing (3 courses beyond RHE 306)
QR - Quantitative Reasoning (1 course)
GC - Global Cultures (1 course)
CD - Cultural Diversity in the US (1 course)
EL - Ethics and Leadership (1 course)
II - Independent Inquiry (1 course)

Always refer to the current course schedule for the most up-to-date prerequisites

BASIC SEQUENCE

1	M 408C B C Differential & Integral Calculus NOTE M 408C + 408D = M 408K + 408L + 408M	CH 301 B C Principles of Chemistry I CO M 305G or M 408C/K	ME 302 B Intro to Engr Design & Graphics CO M 408C/K	RHE 306 B C Rhetoric & Writing NOTE Eligibility to register is based on month of birth. Even months register in fall; Odd months in the spring.	Signature Course C Flags Vary (UGS 302, UGS 303, or TC 302) NOTE School of Undergraduate Studies First-Year Signature Course			
	M 408D B Seq. Series & Multivar Calculus PRE M 408C/L/S	PHY 303K B C Engr Physics I PRE CO M 408C/K/N M 408L PHY 103M	PHY 103M B Engr Physics I Lab CO PHY 303K			Visual and Performing Arts C Flags Vary NOTE See approved list in Undergraduate Catalog	Social and Behavioral Science C Flags Vary NOTE See approved list in Undergraduate Catalog	American History C Flags Vary (HIS 315K) NOTE Other Approved Courses Available
	M 427K B Adv Calculus for Applications I PRE M 408D/L/S	PHY 303L B C Engr Physics II PRE CO M 408D/L/S PHY 303K PHY 103M	PHY 103N B Engr Physics II Lab CO PHY 303L			EM 306 B Statics PRE M 408D/L PHY 303K PHY 103M	ME 326 B Thermodynamics PRE CH 301 M 408D PHY 303K	
	ME 318M B Intro to Comp & Engineering Comp. Methods PRE CO M 427K ME 324	EM 319 B Mechanics of Solids PRE EM 306 M 408D/M PHY 303K	ME 324 B Dynamics PRE CO EM 306 ME 318M			ME 330 B Fluid Mechanics PRE CO EM 306 ME 326 ME 130L	ME 130L B Expt. Fluid Mech. CO ME 330 ME 333T	ME 333T B Wr EL Engineering Communications PRE CO RHE 306 ME 130L

MAJOR SEQUENCE

5	ME 334 M Materials Engineering PRE CO CH 301 PHY 303K PHY 103M ME 302	ME 134L M Materials Engineering Lab PRE CO ME 302 ME 334	ME 339 M Heat Transfer PRE CO ME 318M ME 330 ME 130L	ME 139L M Expt. Heat Transfer CO ME 339	ME 335 S Engineering Statistics PRE M 408D M E 318M	3 hr. CGE M Approved Career Gateway Elective NOTE See Approved List in Undergraduate Catalog
	ME 340 M Mechatronics PRE CO M 408D ME 318M PHY 303L PHY 103N	ME 140L M Mechatronics Lab PRE CO ME 318M ME 340	ME 338 M Machine Elements PRE EM 319 ME 334	ME 353 S Engineering Finance PRE M 408C ME 318M ME 335	3 hr. CGE M Approved Career Gateway Elective NOTE See Approved List in Undergraduate Catalog	GOV 310L C American and Texas Government NOTE 12 Hours Required
	ME 344 M Dynamic Systems and Controls PRE CO M 427K ME 318M ME 340 ME 140L	ME 144L M Dynamic Systems and Controls Lab CO ME 344	ME 366J M Wr ME Design Methodology PRE ME 302 ME 335 ME 340 ME 333T ME 338 ME 140L ME 330 ME 339 ME 130L ME 139L	3 hr. CGE M Approved Career Gateway Elective NOTE See Approved List in Undergraduate Catalog	Math Elective S NOTE See the ME Undergraduate Office for approved list.	GOV 312L C American and Texas Government NOTE 24 hours Required including GOV 310L
	ME 266K M Wr III Design Project PRE CO ME 344 ME 144L ME 353 ME 366J	ME 266P M Design Project Lab PRE CO ME 344 ME 144L ME 353 ME 366J	3 hr. CGE M Approved Career Gateway Elective NOTE See Approved List in Undergraduate Catalog	Math or Natural Science Elective S NOTE See the ME Undergraduate Office for approved list.	E 316K C Flags Vary Masterworks of Literature NOTE Humanities (E 316K, E 603B, or TC 603B)	American History C Flags Vary (HIS 315L) NOTE Other Approved Courses Available