

# FLOWCHART

Catalog: 2008-2010

<b>Dept. &amp; Course #</b>		B - basic seq. S - supporting seq. M - major seq.
Course Title		
PRE	CO	
All Prereqs. Listed Here Gray - C or better required White - Pass required		All Corequisites Listed Here

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

1	16 HRS	<b>M 408C</b> B Differential & Integral Calculus NOTE M 408C + 408D = M 408K + 408L + 408M	<b>CH 301</b> B Principles of Chemistry I CO M 408C/K	<b>ME 302</b> B Intro to Engr Design & Graphics NOTE ME 302 & ME 205 not taken concurrently M 408C/K	<b>RHE 306</b> B Rhetoric & Writing	<b>FA/HUM</b> S Approved Fine Arts/ Hum Elective NOTE See approved list in ME Handbook or outside ETC 5.224		
		<b>M 408D</b> B Seq, Series & Multivar Calculus PRE M 408C	<b>PHY 303K</b> B Engr Physics I PRE M 408C/K CO M 408L	<b>PHY 103M</b> B Engr Physics I Lab CO PHY 303K	<b>ME 205</b> B Computers and Programming - WB NOTE ME 302 & ME 205 not taken concurrently CO M 408C/K	<b>EM 306</b> B Statics CO M 408D/L PHY 303K PHY 103M	<b>Soc. Sci.</b> S Approved Social Science Elective NOTE See approved list in ME Handbook or outside ETC 5.224	
2	16 HRS	<b>M 427K</b> B Adv Calculus for Applications I PRE M 408D/L	<b>PHY 303L</b> B Engr Physics II PRE M 408D/L PHY 303K PHY 103M CO M 408M	<b>PHY 103N</b> B Engr Physics II Lab CO PHY 303L	<b>ME 326</b> B Thermodynamics PRE CH 301 M 408D PHY 303K	<b>EM 319</b> B Mechanics of Solids PRE EM 306 M 408D/M PHY 303K	<b>E 316K</b> S Masterworks of Literature PRE RHE 306 NOTE 27 Hours Required	
		<b>ME 311</b> B Materials Engineering PRE CH 301 PHY 303K PHY 103M EM 319 ME 205 ME 302 ME 326 CO PHY 303L PHY 103N ME 111L	<b>ME 111L</b> B Materials Engineering Lab PRE ME 302 ME 205 CO ME 311	<b>ME 218</b> S Engineering Comp. Methods PRE M 427K ME 205	<b>ME 324</b> B Dynamics PRE EM 306 M 408D	<b>ME 330</b> S Fluid Mechanics PRE EM 306 M 427K ME 326 CO ME 130L	<b>ME 130L</b> S Expt. Fluid Mech. CO ME 330	<b>GOV 310L</b> S American Government NOTE 12 Hours Required
3	17 HRS	<b>ME 335</b> M Engineering Statistics PRE M 408D ME 205	<b>ME 336</b> M Materials Processing PRE EM 319 ME 311 ME 111L CO ME 136L	<b>ME 136L</b> M Materials Processing Lab PRE EM 319 ME 111L CO ME 336	<b>ME 338</b> M Machine Elements PRE EM 319 ME 311	<b>ME 339</b> M Heat Transfer PRE ME 218 ME 330 ME 130L CO ME 139L	<b>ME 139L</b> M Expt. Heat Transfer CO ME 339	<b>GOV 312L</b> S Isss and Policies in Amer Gov PRE GOV 310L NOTE 24 Hours Required
		<b>ME 333T</b> M Engineering Communication PRE RHE 306	<b>ME 340</b> M Mechatronics PRE M 408D ME 205 PHY 303L PHY 103N CO ME 140L	<b>ME 140L</b> M Mechatronics Lab PRE ME 205 CO ME 340	<b>ME 343</b> M Thermal-Fluid Systems PRE ME 330 ME 130L ME 339 ME 139L	<b>3 hr. Math</b> S Approved Math Elective NOTE See approved list in ME Handbook or outside ETC 5.224	<b>HIS 315K</b> S United States, 1492-1865 NOTE 15 Hours Required Other Approved Courses Available	
4	16 HRS	<b>ME 344</b> M Dynamic Systems and Controls PRE M 427K ME 205 ME 324 ME 340 ME 140L CO ME 144L	<b>ME 144L</b> M Dynamic Systems and Controls Lab CO ME 344	<b>ME 353</b> M Engineering Finance PRE M 408C ME 205 ME 335	<b>ME 366J</b> M ME Design Methodology PRE ME 302 ME 330 ME 130L ME 338 ME 339 ME 333T ME 139L ME 335 ME 340 ME 336 ME 140L	<b>3 hr. CGE</b> M Approved Career Gateway Elective NOTE Admis. to Maj. Seq. Required Select Area, Advisor, and Meet to Approve Courses	<b>HIS 315L</b> S United States since 1865 NOTE 15 Hours Required Other Approved Courses Available	
		<b>ME 266K</b> M Design Project PRE ME 343 ME 344 ME 144L ME 353 ME 366J CO ME 266P	<b>ME 266P</b> M Design Project Lab PRE ME 343 ME 344 ME 144L ME 353 ME 366J CO ME 266K	<b>3 hr. CGE</b> M Approved Career Gateway Elective NOTE Admis. to Maj. Seq. Required Select Area, Advisor, and Meet to Approve Courses	<b>3 hr. CGE</b> M Approved Career Gateway Elective NOTE Admis. to Maj. Seq. Required Select Area, Advisor, and Meet to Approve Courses	<b>3 hr. M/NS</b> S Approved Math/ Nat. Sci. Elective NOTE See approved list in ME Handbook or outside ETC 5.224		

BASIC SEQUENCE

MAJOR SEQUENCE

TECH COURSES

NON-TECH COURSES