

**Industrial and Manufacturing Engineering Department
Manufacturing Engineering Major
Curriculum Year: 2012-2013**

*Your department has developed this road plan, taking into account prerequisites and schedule restrictions.
You should pay attention to these concerns when deviating from this plan.*

Year 1	Fall	Units	Winter	Units	Spring	Units	Comment
	MFE 126/L Major Support	3	CHM 122/L Major Support	4	IME 239 Major Core	3	<i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses. MAT 114, PHY 121/131L, PHY 132L, EGR 402, and EGR 403 satisfy both major and general education requirements.</i>
	IME 112 Major Core	3	MAT 115 Major Support	4	IME 113/L Major Core	3	
	CHM 121/L Major Support	4	MFE 226/L Major Core	3	MAT 116 Major Support	4	
	MAT 114 GE Area B1	4	PHY 131/L GE Area B2	4	PHY 132L GE Area B2	1	<i>One course must be completed in each of the GE areas A2-3, B1-3, C1-3, D3, and E.</i>
					PHY 132 Major Support	3	
	ENG 104 GE Area A2	4	GE Area Any approved course in area E	4	GE Area Any approved course in area C1-3, D3	4	
	Total Units	18	Total Units	19	Total Units	18	
					Total Units for Year	55	

Year 2	Fall	Units	Winter	Units	Spring	Units	Comment
	MFE 217/L Major Core	3	MFE 230/L Major Core	3	MFE 221/L Major Core	4	
	MAT 214 Major Support	3	MAT 215 Major Support	3			
	ME 214 Major Support	3	ME 218 Major Support	3	MAT 224 Major Support	4	
	PHY 133/L Major Support	4	ME 215 Major Support	4	GE Area Any approved course in area A3	4	
	PLS 201 GE Area D1a	4	GE Area Any approved course in area C1-3, D3	4	HST 202 GE Area D1b	4	
	Total Units	17	Total Units	17	Total Units	16	
					Total Units for Year	50	

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment
	IME 312 Major Core	4	IME 326 Major Core	3			
	MFE 320/L Major Core	4	MFE 375/L Major Core	4	ECE 231/L Major Support	4	
	MFE Elective Major Core	4	MFE 326/L Major Core	3	GE Area Any approved course in area B3	3	
	EC 201 or 202 GE Area D2	4	GE Area Any approved course in area C1-3, D3	4	EGR 403 GE Area D4	4	
			GE Area Any approved course in area A1	4	GE Area Any approved course in area C1-3, D3	4	
	<i>Take the Graduation Writing Test</i>						
Total Units	16	Total Units	18	Total Units	15		
Total Units for Year						49	

Year 4	Fall	Units	Winter	Units	Spring	Units	Comment
	MFE 465 Major Core	3	IME 331/L Major Core	4	Mfg Elective Major Core	4	<i>Department approval required for selection of GE Synthesis Area B4.</i>
	IME 460 Major Core	1	MFE 450/L Major Core	4	IME 472 or IME 462 Major Core	3	<i>All GE Area A courses and all lower division GE courses in a GE area must be completed before taking the GE Synthesis course in that area.</i>
	IME 415/L Major Core	4	IE 429/L Major Core	4	MFE 476/L Major Core	4	
	ME 311 or 301 Major Support	3	IME 471 or IME 461 Major Core	2	GE Synthesis GE Area B4	4	<i>Manufacturing Electives must be selected with advisor approval.</i>
	EGR 402 GE Area C4	4					
			<i>Request a graduation check</i>		<i>File an application for graduation</i>		
Total Units	15	Total Units	14	Total Units	15		
Total Units for Year						44	

Total Units on Plan	198
Major Core Units	75-76
Major Support Units	54-55
General Education Units	68
Unrestricted Elective Units	0