

**Industrial and Manufacturing Engineering Department**  
**Manufacturing Engineering Major**  
**Curriculum Year: 2011-2012**

*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
	<b>MFE 126/126L</b> Major Support	3	<b>CHM 122/122L</b> Major Support	4	<b>IME 239</b> Major Core	3	<i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses.</i>
	<b>IME 112</b> Major Core	3	<b>MAT 115</b> Major Support	4	<b>IME 113/113L</b> Major Core	3	
	<b>CHM 121/121L</b> Major Support	4	<b>PHY 131/131L</b> GE Area B2	4	<b>MAT 116</b> Major Support	4	
	<b>MAT 114</b> GE Area B1	4	<b>GE Area</b> Any approved course in area C1-3, D3, or E	4	<b>PHY 132L</b> 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>
	<b>ENG 104</b> GE Area A2	4			<b>PHY 132</b> Major Support	3	
			<b>MFE 226/L</b> Major Core	3			
<b>Total Units</b>			<b>18</b>	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	
<b>Total Units for Year</b>						<b>51</b>	

Year 2	Fall	Units	Winter	Units	Spring	Units	Comment
	<b>MFE 217/217L</b> Major Core	3	<b>MFE 230/230L</b> Major Core	3	<b>MFE 221/221L</b> Major Core	3	
	<b>MAT 214</b> Major Support	3	<b>MAT 215</b> Major Support	3	<b>ME 218</b> Major Support	3	
	<b>ME 214</b> Major Support	3	<b>MFE 226/226L</b> Major Core	3	<b>MAT 224</b> Major Support	4	
	<b>PHY 133/133L</b> Major Support	4	<b>IME 301</b> Major Core	3	<b>GE Area</b> Any approved course in area A3.	4	
			<b>ME 215</b> Major Support	4			
	<b>PLS 201</b> GE Area D1a	4			<b>HST 202</b> GE Area D1b	4	
<b>Total Units</b>	<b>17</b>	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>18</b>		
<b>Total Units for Year</b>						<b>51</b>	

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment
	IME 312 Major Support	3	IME 326 Major Core	3	ECE 231/L Major Support	4	
	MFE 320/L Major Core	4	MFE 326/326L Major Core	3	GE Area Any approved course in area B3	3	
	MFE 250/250L Major Core	3	GE Area Any approved course in area A1-3, B3, C1-3, D3, or E	4	GE Area Any approved course in area C1-3, D3, or E	4	
	EC 201 or 202 GE Area D2	4	GE Area Any approved course in area A3	4	EGR 403 GE Area D4	4	
					MFE 375/L	4	
	<i>Take the Graduation Writing Test</i>						
<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>19</b>		
<b>Total Units for Year</b>						<b>47</b>	

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 Support	1	MFE 450/450L Major Core	4	IME 472 or IME 462 Major Core	3	
	ME 311 or 301 Major Support	3	IE 429/L Major Core	4	MFE 476/476L Major Core	4	<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	IME 471 or IME 461 Major Core	2	GE Synthesis GE Area B4	4	
	EGR 402 GE Area C4	4					<i>Manufacturing Electives must be selected with advisor approval.</i>
			<i>Request a graduation check</i>		<i>File an application for graduation</i>		
<b>Total Units</b>	<b>15</b>	<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>15</b>		
<b>Total Units for Year</b>						<b>44</b>	

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