

**Industrial and Manufacturing Engineering Department**  
**Manufacturing Engineering Major**  
**Curriculum Year: 2013-2014**

*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/L</b> Major Support	3	<b>CHM 122/L</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/L</b> Major Core	3	
	<b>CHM 121/L</b> Major Support	4	<b>MFE 226/L</b> Major Core	3	<b>MAT 116</b> Major Support	4	<i>MAT 114, PHY 121/131L, PHY 132L, EGR 402, and EGR 403 satisfy both major and general education requirements.</i>
	<b>MAT 114</b> GE Area B1	4	<b>PHY 131/L</b> GE Area B2	4	<b>PHY 132L</b> GE Area B2	1	
					<b>PHY 132</b> Major Support	3	
	<b>ENG 104</b> GE Area A2	4	<b>GE Area</b> Any approved course in area E	4	<b>GE Area</b> Any approved course in area C1-3, D3	4	<i>One course must be completed in each of the GE areas A2-3, B1-3, C1-3, D3, and E.</i>
<b>Total Units</b>	<b>18</b>	<b>Total Units</b>	<b>19</b>	<b>Total Units</b>	<b>18</b>		
					<b>Total Units for Year</b>	<b>55</b>	

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

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment
	<b>IME 312</b> Major Core	4	<b>IME 326</b> Major Core	3			
	<b>IME 224/L</b> Major Core	4	<b>MFE 375/L</b> Major Core	4	<b>ECE 231/L</b> Major Support	4	
	<b>MFE 380/L</b> Major Core	2	<b>MFE 326/L</b> Major Core	3	<b>GE Area</b> Any approved course in area B3	3	
	<b>EC 201 or 202</b> GE Area D2	4	<b>GE Area</b> Any approved course in area C1-3, D3	4	<b>EGR 403</b> GE Area D4	4	
	<b>GE Synthesis</b> GE Area B4	4	<b>GE Area</b> Any approved course in area A1	4	<b>GE Area</b> Any approved course in area C1-3, D3	4	
<i>Take the Graduation Writing Test</i>							
<b>Total Units</b>	<b>18</b>	<b>Total Units</b>	<b>18</b>	<b>Total Units</b>	<b>15</b>		
<b>Total Units for Year</b>						<b>51</b>	

Year 4	Fall	Units	Winter	Units	Spring	Units	Comment
	<b>MFE 465</b> Major Core	3	<b>IME 331/L</b> Major Core	4	<b>Mfg Elective</b> Major Core	2-3	<i>Department approval required for selection of GE Synthesis Area B4.</i>
	<b>IME 460</b> Major Core	1	<b>MFE 450/L</b> Major Core	4	<b>IME 472 or IME 462 or EGR 482</b> , Major Core	2-3	<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>
	<b>IME 415/L</b> Major Core	4	<b>IE 429/L</b> Major Core	4	<b>MFE 476/L</b> Major Core	4	
	<b>ME 311 or 301</b> Major Support	3	<b>IME 471 or IME 461 or EGR 481</b> , Major Core	2	<b>GE Synthesis</b> GE Area B5	4	<i>Manufacturing Electives must be selected with advisor approval.</i>
	<b>EGR 402</b> GE Area C4	4					
			<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>12-13</b>		
<b>Total Units for Year</b>						<b>41-42</b>	

<b>Total Units on Plan</b>	<b>197-198</b>
<b>Major Core Units</b>	<b>75-76</b>
<b>Major Support Units</b>	<b>54-55</b>
<b>General Education Units</b>	<b>68</b>
<b>Unrestricted Elective Units</b>	<b>0</b>