

Updated 08/21/2013

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
<b>Intro to IME</b> <b>IME 101 (1)</b>	<b>Basic Electronics Manufacturing</b>  <b>IME 156 (2)</b> or <b>IME 157 (4)</b>	<b>Intro. To Design &amp; Mfg.</b> <b>IME 144 (4)</b> (Recommended: IME 140, ME 151, or equiv.)	<b>Process Improv. Fundamentals</b> <b>IME 223 (4)</b> {MATH 141, Recommend: IME 101}	<b>Industrial Costs &amp; Controls</b> <b>IME 239 (3)</b> {IME 223}	<b>Engr. Economics</b> <b>IME 314 (3)</b> {MATH 241}	<b>Operations Research I</b> <b>IME 301 (4)</b> {MATH 244}	<b>Human Factors</b> <b>IME 319 (3)</b> {PSY 201/202 or Inter. consent & Jr. Standing}	<b>Data Management &amp; System Design</b> <b>IME 312 (4)</b> {CSC 232}	<b>Op. Research II</b> <b>IME 405 (4)</b> {IME 301, STAT 321 or instr. consent}	<b>Simulation</b> <b>IME 420 (4)</b> {IME 326, 405 or instr. consent}	<b>Fac. Planning/Des.</b> <b>IME 443 (4)</b> {IME 144, 223, 405 or 342, 314, or equiv.; Recommended: IME 319 & 420}
<b>Mfg. Processes</b> <b>IME 141 (1)</b>	<b>Physics I</b> <b>PHYS 141 (4)</b> {MATH 141 w/ > C- MATH 142(1)}	<b>Physics II</b> <b>PHYS 132 (4)</b> {PHYS 141}	<b>Physics III</b> <b>PHYS 133 (4)</b> {PHYS 141, MATH 142}	<b>Computer Programming</b> <b>CSC 232 (3)</b> {MATH 118 or equiv.}	<b>Life Sci. for Engr.</b> <b>BIO/ENGR 213 (2/2)</b> {MATH 142, Recommend: CHEM 124}	<b>Project Org. &amp; Management</b> <b>IME 303 (4)</b> {IME 314 & Jr. Standing}	<b>Eng. Test Design &amp; Analysis</b> <b>IME 326 (4)</b> {STAT 321 w/C- or better}	<b>Approved Technical Elective (3)</b> ***	<b>Quality Eng.</b> <b>IME 430 (4)</b> {IME 326}	<b>Senior Project</b> <b>IME 481 (2)</b> {Sr. Standing in major & instr. consent}	<b>Senior Project</b> <b>IME 482 (3)</b> {IME 481}
<b>Graphics Comm. &amp; Modeling</b> <b>IME 140 (2)</b>	[Add'l Area B]				[B2]						
<b>Calculus I</b> <b>MATH 141 (4)</b> *	<b>Calculus II</b> <b>MATH 142 (4)</b> {MATH 141 w/ > C-}	<b>Calculus III</b> <b>MATH 143 (4)</b> {MATH 142 w/ > C-}	<b>Calculus IV</b> <b>MATH 241 (4)</b> {MATH 143}	<b>Linear Analysis I</b> <b>MATH 244 (4)</b> {MATH 143}	<b>Engr. Dynamics</b> <b>ME 212 (3)</b> {ME 211 & MATH 241}	<b>Electric Circuit Theory</b> <b>EE 201/251 (3/1)</b> {MATH 244 & PHYS 133}	<b>Electronics</b> <b>EE 321 (3)</b> {EE 201}	<b>Ergonomics Lab</b> <b>IME 429 (1)</b> {IME 319 & IME 326}	<b>Production Planning &amp; Control Systems</b> <b>IME 410 (4)</b> {IME 405 or 342}	<b>Supply Chain &amp; Logistics Management</b> <b>IME 417 (4)</b> {IME 342 or 410 or instr. consent}	
[B1]	[B1]	[Add'l Area B]									
<b>Psychology</b> <b>PSY 201/202 (4)</b>	<b>Gen. Chem.</b> <b>CHEM 124 (4)</b>	<b>GE (4)</b> **		<b>Engr. Statics</b> <b>ME 211 (3)</b> {PHYS 141, MATH 241(1)}	<b>Prob. &amp; Statistics</b> <b>STAT 321 (4)</b> {MATH 142}	<b>Mech. of Matr. I</b> <b>CE 204 (3)</b> {ME 211}	<b>Materials Engr.</b> <b>MATE 210/215 (3/1)</b> {CHEM 124 or 127; or Thermo <b>ME 302 (3)</b> {PHYS 132, ME 212 or CHEM 128}	<b>Approved Technical Elective (4)</b> ***	<b>Approved Technical Elective (2-4)</b> ***		
[D4]	[B3/B4]				[B6]						
<b>Expository Writing</b> <b>ENGL 133/134 (4)**</b> [A1] Can be taken anytime during Freshman Year				<b>GE (4)</b> **				<b>GE (4)</b> **	<b>GE (4)</b> **	<b>GE (4)</b> **	<b>GE (4)</b> **
<b>Oral Communication</b> <b>COMS 101/102 (4)**</b> [A2] Can be taken anytime during Freshman Year								<b>GE (4)</b> **	<b>GE (4)</b> **	<b>GE (4)</b> **	<b>GE (4)</b> **
		<b>Technical Writing</b> <b>ENGL 149 (4)</b> [A3] (Completion of GE A1 with a C- or better, Recommended: Completion of GE A2) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years									
						<b>Graduation Writing Requirement</b> <b>GWR*</b> (Can be taken any time after 90 earned units)					
16	18-20	16	16	17	14	15	17-18	15	15-17	14	15
<b>TOTAL:</b>											<b>190</b>

**Notes:**

**MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET**  
 \* Refer to current catalog for prerequisites.  
 \*\* One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3. C4 should be taken only after Junior standing is reached (90 units).  
 Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).  
 USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, or D3.  
 \*\*\* Technical elective form required and should be submitted prior to junior year. Technical elective units must total 11, unless IME 157 is taken then only 9 units of technical electives are required.  
 † Course can be taken previously or concurrently.

**Legend:**

Course Title		
Course # (Units)	<input type="text"/>	<b>Major (80)</b>
(Pre-Requisite)	<input type="text"/>	<b>Support (74)</b>
[GE Area]	<input type="text"/>	<b>General Ed. (36)</b>