

Updated: 08/21/2013

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Intro to IME <b>IME 101 (1)</b>	Intro. To Design & Mfg. <b>IME 144 (4)</b> (Recommended: IME 140, ME 151, or equiv.)	Mfg. Proc. Matrix, Joining <b>IME 142 (2)</b>		Process Improv. Fundamentals <b>IME 223 (4)</b> (MATH 141, Recommended: IME 101)	Mech. of Matr. I <b>CE 204 (3)</b> (ME 211)	Fund. of MFGE <b>IME 330 (4)</b> (IME 141, IME 142, CE 204, MATE 210, MATE 215, & IME 144)	Computer-Aided Mfg. I <b>IME 335 (4)</b> (MATH 244, IME 144 & CSC 212)	MFGE Process & Tool Eng. <b>IME 450 (4)</b> (Math 244, IME 330, Recommended: IME 335)	<b>Approved Technical Elective (4)</b> ***	Product-Process Design <b>IME 418 (4)</b> (Sr. Standing Recommended: IME 341 or 450)	<b>Approved Technical Elective (4-6)</b> ***
Mfg. Processes <b>IME 141 (1)</b>	Physics I <b>PHYS 141 (4)</b> (MATH 141 w/ > C- MATH 142 †)	Physics II <b>PHYS 132 (4)</b> (PHYS 141)	Physics III <b>PHYS 133 (4)</b> (PHYS 141 & MATH 142, Recommended: MATH 241)	Eng. Dynamics <b>ME 212 (3)</b> (ME 211 & MATH 241)	Prob. & Statistics <b>STAT 321 (4)</b> (MATH 142)	Test Design & Analysis in MFGE <b>IME 327 (4)</b> (ME 215 or STAT 312 or STAT 321)	Mfg. Systems Integration <b>IME 342 (4)</b> (IME 241, MATH 241, Recommended: STAT 321)	Mfg. Auto. <b>IME 356 (4)</b> (EE 321)	<b>Approved Technical Elective (4)</b> ***	Quality Eng. <b>IME 430 (4)</b> (IME 327)	<b>GE (4)</b> **
Graphics Comm. & Modeling <b>IME 140 (2)</b>	[Add'l Area B]				[B6]						
Calculus I <b>MATH 141 (4)</b> *	Calculus II <b>MATH 142 (4)</b> (MATH 141 w/ > C-)	Calculus III <b>MATH 143 (4)</b> (MATH 142 w/ > C-)	Calculus IV <b>MATH 241 (4)</b> (MATH 143)	Linear Analysis I <b>MATH 244 (4)</b> (MATH 143)	Life Sci. for Engr. <b>BIO/ENGR 213 (2/2)</b> (MATH 142, Recommended: CHEM 124)	Electric Circuit Theory <b>EE 201 (3)</b> (MATH 244 & PHYS 133)	Thermodynamics <b>ME 302 (3)</b> (PHYS 132, ME 211 or CHEM 125)	Eng. Econ <b>IME 314 (3)</b> (MATH 241)	Supply Chain & Logistics Mgmt. <b>IME 417 (4)</b> (IME 342 or 410 or instr. consent)	Senior Project Design Lab I <b>IME 481 (2)</b> (Sr. Standing in major & instr. consent)	Senior Project Design Lab II <b>IME 482 (3)</b> (IME 481)
[B1]	[B1]	[Add'l Area B]			[B2]						
Electronics Manufacturing <b>IME 157 (4)</b> or <b>IME 156 (2)</b> ***	Gen. Chem. I <b>CHEM 124 (4)</b> *	Gen. Chem. II <b>CHEM 125 (4)</b> (CHEM 124)	Engr. Statics <b>ME 211 (3)</b> (PHYS 141, MATH 241 †)	<b>GE (4)</b> **	Materials Engr. <b>MATE 210 (3)</b> (CHEM 124 or 127, Recommended: MATE 215 concurrently)	Electric Circuit Theory Lab <b>EE 251 (1)</b> (Consent: EE 201)	Electronics <b>EE 321 (3)</b> (EE 201)	<b>GE (4)</b> **	<b>GE (4)</b> **	<b>GE (4)</b> **	<b>GE (4)</b> **
	[B3/B4]	Computer Prog. <b>CSC 232 (3)</b> (MATH 118 or equiv.)		<b>GE (4)</b> **	Materials Engr. Lab <b>MATE 215 (1)</b> (MATE 210 †)	<b>GE (4)</b> **					
Expository Writing <b>ENGL 133/134 (4)**</b> [A1] Can be taken anytime during Freshman Year											
Oral Communication <b>COMS 101/102 (4)**</b> [A2] Can be taken anytime during Freshman Year											
		Technical Writing <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									
						Graduation Writing Requirement <b>GWR*</b> (Can be taken any time after 60 earned units)					
16-18	20	17	15	19	15	16	14	15	16	14	15-17
										<b>TOTAL:</b>	<b>192</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, D4. 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, D3, or D4.

\*\*\* Technical elective form required and should be submitted prior to junior year. Technical elective units must total 12 if IME 157 is taken. If IME 156 is taken technical electives must total 14 units.

† Course can be taken previously or concurrently.

**Legend:**

Course Title		Major (74)
Course # (Units)		Support (78)
(Pre-Requisite)		General Ed. (40)
[GE Area]		