



DEGREE REQUIREMENT EVALUATION

California State Polytechnic University, Pomona

ELM Satisfied ___ Yes ___ No
 EPT Satisfied ___ Yes ___ No
 GWT Satisfied ___ Yes ___ No

YEAR: 1999-2000

MAJOR INDUSTRIAL ENGINEERING (5400) NAME _____ EVALUATOR _____
 OPTION _____ LAST FIRST M.I. DATE _____
 UNITS REQUIRED 202 STUDENT ID NO. _____ UPDATES _____

Students in this major are expected to achieve and maintain a GPA of at least 2.00 in all courses included in Column I.

A. GENERAL EDUCATION. Students may fulfill these requirements at Cal Poly Pomona with the General Education (GE) or the Interdisciplinary General Education (IGE) Programs. Select courses from approved lists shown in the Schedule of Classes unless specified.

Column I	Column II	Column IIIa	Column IIIb
<u>CORE COURSES IN MAJOR</u>	<u>SUPPORT AND DIRECTED ELECTIVES</u>	<u>Interdis. G.E.</u>	<u>AREA 1 – 12 units</u> a) ENG 104 (4) b) Elective (4) c) Elective (4)
Fund of Human Factors Engr IE 225/L 4	Gen Chem CHM 121/L 4	IGE 120 4	<u>AREA 2 – 16 units</u> (must include one lab course; area 2d must be upper division) a) <u>MAT 114 (4)</u> b) <u>PHY 131/151L, 152L, 153L (3,1,1,1)</u> c) Elective (3) d) <u>IME 301 or STA 309 (3)</u>
Ind Engr Math Analy IE 311 3	Gen Chem CHM 122/L 4	IGE 121 4	<u>AREA 3 – 24 units</u> Arts, Literature, Philosophy, and Foreign Languages a) Elective (4) b) Elective (4) c) Elective (4)
Elem Ind Engr Sys IE 327/L 4	Elem Elec Engr ECE 231/251L 4	IGE 122 4	Social, Political, and Economic Institutions d) EC 201 or 202 (4) e, f) PLS 390/SOC 390 (4)*
Oper Res I IE 416 4	Elec Inst & Controls ECE 333/383L 4	IGE 220 4	Integrated Being g) Elective (4)
Oper Res II IE 417 4	Engr Prob & Stat IME 312 3	IGE 221 4	<u>AREA 4 – 8 units</u> PLS 201 (4) and HST 202 (4)
Indust Sys Simulation IE 429/L 4	Undergrad Seminar IME 460 2	IGE 222 4	<u>AREA 5 – 8 units</u> (A total of 12 upper division units required in GE—four in Area 2d and eight in Area 5.) <u>EGR 402 (4)</u> and <u>EGR 403 (4)</u>
Oper Plan & Control IE 436/L 3	An Geom/Calculus II MAT 115 4	IGE 223 4	*course satisfies two requirements
Ind & Mfg Engr Fund IME 112 3	An Geom/Calculus III MAT 116 4	IGE 224 4	<u>Underlined courses</u> satisfy both major and general education requirements.
Ind & Mfg Engr Comp IME 113/L 2	Calc of Sev Var I MAT 214 3	COM 204 4	
Work Analy & Des IME 224/L 4	Calc of Sev Var II MAT 215 3	COM 216 4	
Indus Costs/Cnt IME 239 3	Diff Equations MAT 216 4	EC 201	
Prod Plng & Control IME 326 3	Vector Statics ME 214 3	or EC 202 4	
Fac Plan Lay/Des IME 331/L 4	Vector Dynamics ME 215 4	Area 2-16 units (See Col IIIb)	
Qual Cont Stat Meth IME 415 4	Strength Matls ME 218 3	Area 5-8 units (See Col IIIb)	
Sr Project IME 461 2	Strength Matls ME 219 3		
Sr Project IME 462 2	Engr Graphics I MFE 126/L 3		
Mfg Sys Processes MFE 201/L 4	Intro Comp Integ Mfg MFE 450/L 4		
C for Engineers ECE 114 3	Matls Sci & Engr MTE 207 3		
Industrial Engr Electives* 6	General Physics PHY 132 3		
	General Physics PHY 133 3		
* Select from approved list.			
Column I Units Required 66	Column II Units Required 68	Column III Units Required 68	
		<u>TRANSFER ELECTIVES</u>	SUMMARY OF ADVANCED STANDING CREDIT: Earned Hours _____ G.P.A. Hours _____ Quality Points _____ G.P.A. _____

NOT MORE THAN 105 UNITS FROM A COMMUNITY COLLEGE NOR MORE THAN 36 UNITS OF EXTENSION WORK MAY BE APPLIED TOWARD A BACHELOR'S DEGREE.
 ALL SPEAKERS OF ENGLISH AS A SECOND LANGUAGE WHO HAVE NOT ACHIEVED THE MINIMUM EPT SCORE FOR ENGLISH 104 MUST TAKE ENGLISH 102 AND 103.
 A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR. F-105-18 Rev. 1999

INDUSTRIAL ENGINEERING

Name _____

99-00

FRESHMAN

Fall Winter Spring

SOPHOMORE

Fall Winter Spring

JUNIOR

Fall Winter Spring

SENIOR

Fall Winter Spring

IME 112 3		IME 113L 2
--------------	--	---------------

MFE 126L 3		
---------------	--	--

PHY 131 PHY 151L 4	PHY 132 PHY 152L 4
--------------------------	--------------------------

MAT 114 4	MAT 115 4	MAT 116 4
--------------	--------------	--------------

CHM 121L 4	CHM 122L 4
---------------	---------------

IGE 120 4	IGE 121 4	IGE 122 4
--------------	--------------	--------------

ENG 104 4	Area 1b 4	Area 1c 4
--------------	--------------	--------------

18 16 14

MTE 207 3

ME 214 3	ME 215 4	ME 218 3
-------------	-------------	-------------

PHY 133 PHY 153L 4	STA 309 or IME 301 3
--------------------------	----------------------------

MAT 214 3	MAT 215 3	MAT 216 4
--------------	--------------	--------------

IGE 220 4

EC 201 or EC 202 4

17 17

IGE 221 4

AREA 3c 4

18

IE 225L 4

IME 312 3	IME 331L 4	IE 327L 4
--------------	---------------	--------------

IME 326 3

IE 417 4

ECE 114 3	IE Elect 3	IME 400 2
--------------	---------------	--------------

Eng. Sci. Elective 3	ECE 231 ECE 251L 4
----------------------------	--------------------------

Area 2c 3

IGE 222 4	IGE224 4
--------------	-------------

AREA 3a 4	SOC/PLS 390 4	PLS201 4
--------------	---------------------	-------------

17 18 17

MFE 450L 4

IME 415 4

EGR 403 4

IE 416 4	IE 420L 4	IE 436 3
-------------	--------------	-------------

IME 461 2	IME 462 2	IE Elect 3
--------------	--------------	---------------

ECE 333 ECE 383L 4

EGR 402 4

AREA 3b 4	HST 202 4	AREA 3g 4
--------------	--------------	--------------

18 14 18

Total Units: 202