



**California State Polytechnic University, Pomona
DEGREE REQUIREMENT EVALUATION**

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

MAJOR **INDUSTRIAL ENGINEERING (5400)** NAME _____
 OPTION/EMPHASIS _____ LAST _____ FIRST _____ MI _____
 UNITS REQUIRED **202** STUDENT I.D. # _____

TERM ADMITTED _____ YEAR: **2003-2004**
 EVALUATOR _____
 DATE _____
 UPDATES _____

CORE COURSES	Units	SUPPORT COURSES	Units	IGE	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.																																																																								
<i>Students in this major are expected to <u>maintain</u> a GPA of at least 2.00 in all core courses.</i>		Gen Chem	CHM 121/L	4	<table border="1"> <thead> <tr> <th colspan="2">GENERAL EDUCATION COURSES</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td colspan="3">Area A Communication and Critical Thinking–12 units</td> </tr> <tr> <td>1</td> <td>ENG 104</td> <td>4</td> </tr> <tr> <td>2</td> <td>Oral Communication</td> <td>4</td> </tr> <tr> <td>3</td> <td>Critical Thinking</td> <td>4</td> </tr> <tr> <td colspan="3">Area B Math and Natural Sciences–16 units</td> </tr> <tr> <td>1</td> <td><u>MAT 114</u></td> <td>4</td> </tr> <tr> <td>2</td> <td><u>PHY 131/131L, 132L</u></td> <td>5</td> </tr> <tr> <td>3</td> <td>Biological Science</td> <td>3</td> </tr> <tr> <td>4</td> <td>Science and Technology Synthesis*</td> <td>4</td> </tr> <tr> <td colspan="3">Area C Humanities– 16 units</td> </tr> <tr> <td>1</td> <td>Fine/Performing Arts</td> <td>4</td> </tr> <tr> <td>2</td> <td>Philosophy and Civilization</td> <td>4</td> </tr> <tr> <td>3</td> <td>Literature and Foreign Language</td> <td>4</td> </tr> <tr> <td>4</td> <td>EGR 402</td> <td>4</td> </tr> <tr> <td colspan="3">Area D Social Sciences– 20 units</td> </tr> <tr> <td>1a</td> <td>PLS 201</td> <td>4</td> </tr> <tr> <td>1b</td> <td>HST 202</td> <td>4</td> </tr> <tr> <td>2</td> <td>EC 201 or 202</td> <td>4</td> </tr> <tr> <td>3</td> <td>SOC/PLS 390</td> <td>4</td> </tr> <tr> <td>4</td> <td>EGR 403</td> <td>4</td> </tr> <tr> <td colspan="3">Area E Lifelong Understanding and Self-Development–4 units</td> </tr> <tr> <td colspan="3"><u>Underlined courses</u> satisfy both major and general education requirements.</td> </tr> <tr> <td colspan="3">*Department Approval Required</td> </tr> </tbody> </table>	GENERAL EDUCATION COURSES		Units	Area A Communication and Critical Thinking–12 units			1	ENG 104	4	2	Oral Communication	4	3	Critical Thinking	4	Area B Math and Natural Sciences–16 units			1	<u>MAT 114</u>	4	2	<u>PHY 131/131L, 132L</u>	5	3	Biological Science	3	4	Science and Technology Synthesis*	4	Area C Humanities– 16 units			1	Fine/Performing Arts	4	2	Philosophy and Civilization	4	3	Literature and Foreign Language	4	4	EGR 402	4	Area D Social Sciences– 20 units			1a	PLS 201	4	1b	HST 202	4	2	EC 201 or 202	4	3	SOC/PLS 390	4	4	EGR 403	4	Area E Lifelong Understanding and Self-Development–4 units			<u>Underlined courses</u> satisfy both major and general education requirements.			*Department Approval Required		
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Fund of Human Factors Engr	IE 225/L	4	Elem Elec Engr	ECE 231/251L	4	IGE 120	4																																																																						
Ind Engr Math Analy	IE 311	3	Elec Inst & Controls	ECE 323/373L	4	IGE 121	4																																																																						
Elem Ind Engr Sys	IE 327/L	4	Engr Prob & Stat	IME 312	3	IGE 122	4																																																																						
Oper Res I	IE 416	4	Undergrad Seminar	IME 460	1	IGE 220	4																																																																						
Oper Res II	IE 417	4	An Geom/Calculus II	MAT 115	4	IGE 221	4																																																																						
Indust Sys Simulation	IE 429/L	4	An Geom/Calculus III	MAT 116	4	IGE 222	4																																																																						
Oper Plan & Control	IE 436/L	3	Calc of Sev Var I	MAT 214	3	IGE 223	4																																																																						
Ind & Mfg Engr Fund	IME 112	3	Calc of Sev Var II	MAT 215	3	IGE 224	4																																																																						
Ind & Mfg Engr Comp	IME 113/L	3	Diff Equations	MAT 216	4	COM 216	4																																																																						
Work Analy & Des	IME 224/L	4	Vector Statics	ME 214	3	COM 204	4																																																																						
Indus Costs/Cnt	IME 239	3	Strength Matls	ME 218	3	EC 201/202	4																																																																						
Appl of Statistics	IME 301	3	Engr Graphics I	MFE 126/L	3	Area B	16																																																																						
Prod Plng & Control	IME 326	3	Intro Comp Integ Mfg	MFE 450/L	4	Area C4	4																																																																						
Fac Plan Lay/Des	IME 331/L	4	Matls Sci & Engr	MTE 207	3	Area D4	4																																																																						
Qual Cont Stat Meth	IME 415/L	4	General Physics	PHY 132	3																																																																								
Sr Project	IME 471 or IME 461	2	General Physics	PHY 133/L	4																																																																								
Sr Project	IME 472 or IME 462	3	Engineering Science Electives		7																																																																								
Mfg Sys Processes	MFE 201/L	4																																																																											
Industrial Engr Electives**		4																																																																											
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UNITS REQUIRED: 66		UNITS REQUIRED: 68		UNITS REQUIRED: 68		UNITS REQUIRED: 68																																																																							

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.
 A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR.

INDUSTRIAL ENGINEERING

Name _____

2003-2004

Fall			Winter			Spring			Fall			Winter			Spring		
IME 112 3			IME 113/L 3			IME 239 3		IME 224/L 4	IE 225/L 4		IME 326 3		IME 450/L 4				
MFE 126 3			MFE 201/L 4		IE 311 3	IME 312 3		IME 331/L 4	IE 327/L 4		IE 415/L 4		Area B4 4	IE 416 4		IE 429/L 4	IE 436 3
			MTE 207 3			IE ELEC 4		IME 460 1		IME 471 or IME 461 2		IME 472 or IME 462 3		ECE 323 ECE 373L 4			
			ME 214 3	Eng.Sci.El 3	ME 218 3	EngSciEl 4		ECE 231 4									
			PHY 131 PHY 131L 4	PHY 132 PHY 132L 4	PHY 133 PHY 133L 4		IME 301 3										
MAT 114 4	MAT 115 4	MAT 116 4	MAT 214 3	MAT 215 3	MAT 216 4												
CHM 121L 4		CHM 122L 4															
IGE 120 4	IGE 121 4	IGE 122 4	IGE 220 4		IGE 221 4	IGE 222 4		IGE224 4				Area C4 4	Area D4 4				
ENG 104 4	Area A2 4	Area A3 4	EC 201 or EC 202 4	Area B3 3	Area C1 4	Area C2 4	SOC/PLS 390 4	PLS201 4		Area C3 4	HST 202 4	Area E 4					
18	16	15	17	19	18	15	16	16	18	19	15						

Total Units: 202