



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

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

MAJOR **INDUSTRIAL ENGINEERING (5400)**

OPTION/EMPHASIS _____

UNITS REQUIRED **202**

NAME _____
 LAST FIRST MI

STUDENT I.D. # _____

TERM ADMITTED _____ YEAR: **2004-2005**

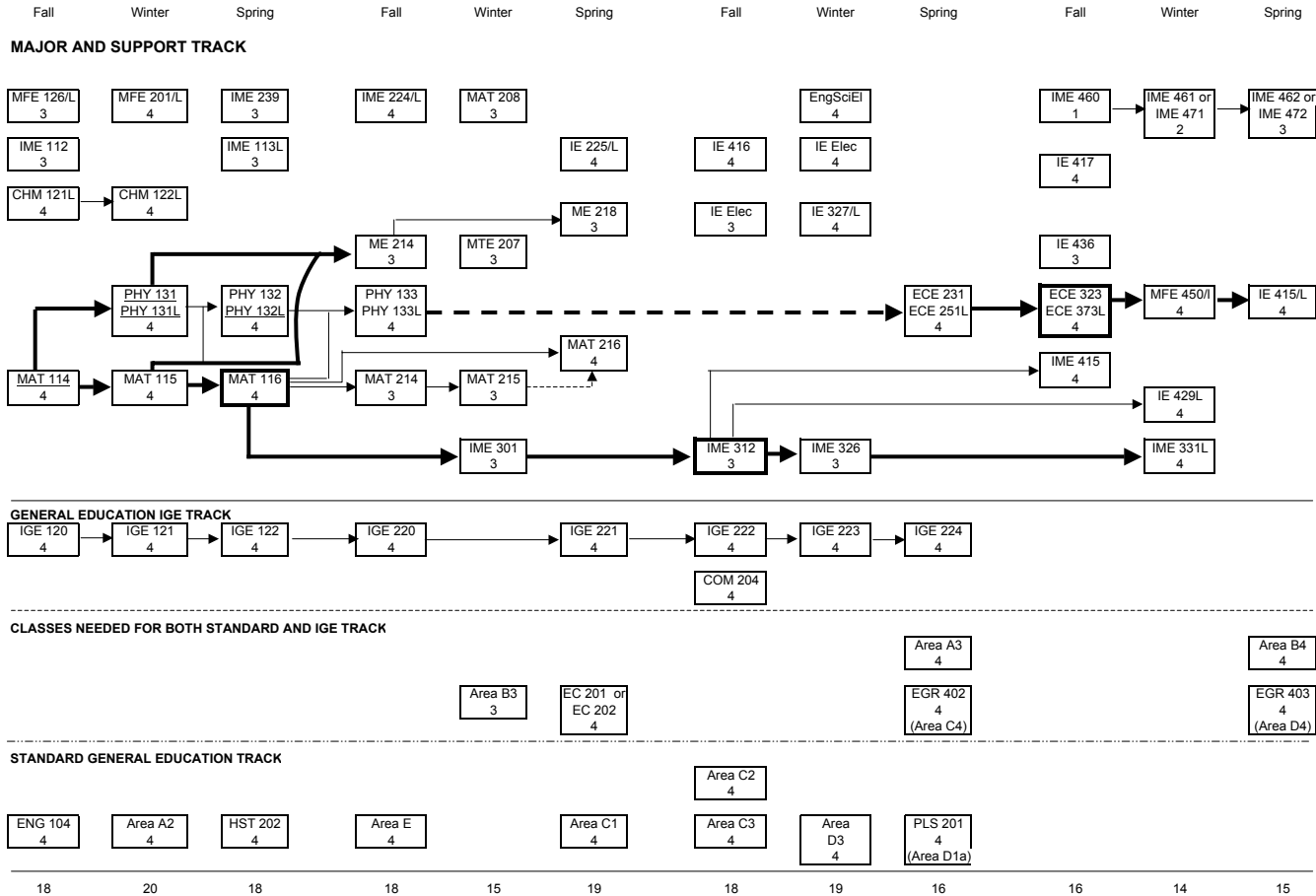
EVALUATOR _____

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	IGE 120 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>ELECTIVE</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	ELECTIVE	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	Gen Chem CHM 122/L	4	IGE 121 4																																																																									
Elem Ind Engr Sys IE 327/L	4	Elem Elec Engr ECE 231/251L	4	IGE 122 4																																																																									
Oper Res I IE 416	4	Elec Inst & Controls ECE 323/373L	4	IGE 220 4																																																																									
Oper Res II IE 417	4	Engr Prob & Stat IME 312	3	IGE 221 4																																																																									
Indust Sys Simulation IE 429/L	4	Undergrad Seminar IME 460	1	IGE 222 4																																																																									
Oper Plan & Control IE 436/L	3	An Geom/Calculus II MAT 115	4	IGE 223 4																																																																									
Ind & Mfg Engr Fund IME 112	3	An Geom/Calculus III MAT 116	4	IGE 224 4																																																																									
Ind & Mfg Engr Comp IME 113/L	3	Into to Linear Algebra MAT 208	4	Area A3 4																																																																									
Work Analy & Des IME 224/L	4	Calc of Sev Var I MAT 214	3	COM 204 4																																																																									
Indus Costs/Cnt IME 239	3	Calc of Sev Var II MAT 215	3	EC 201/202 4																																																																									
Appl of Statistics IME 301	3	Diff Equations MAT 216	4	Area B 16																																																																									
Prod PIng & Control IME 326	3	Vector Statics ME 214	3	Area C4 4																																																																									
Fac Plan Lay/Des IME 331/L	4	Strength Matls ME 218	3	Area D4 4																																																																									
Qual Cont Stat Meth IME 415/L	4	Engr Graphics I MFE 126/L	3																																																																										
Sr Project IME 471 or IME 461	2	Intro Comp Integ Mfg MFE 450/L	4																																																																										
Sr Project IME 472 or IME 462	3	Matls Sci & Engr MTE 207	3																																																																										
Mfg Sys Processes MFE 201/L	4	General Physics PHY 132	3																																																																										
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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.



Notes:

Total Units 206

Important Deadlines:

- GWTT Must be taken by
- Evaluation must be done by
- Apply to graduation by

Students in the IGE general education program take all classes above this line.....

Students in the Standard general education program take all classes below this line.....

To optimize time here select the classes with bold squares as soon as possible and follow the bold paths.

Arrows indicate prerequisites, dashed lines indicate recommended sequences

Try to balance workload to the level of units you can handle per quarter, and in the proper mix of difficulty for you.

In general, try to take only one MATH or ME course at a time

Note that most MFE courses and many IME courses are offered only once a year

THE COURSES LISTED ABOVE INDICATE INTENT OF OFFERING QUARTER, ACTUAL OFFERINGS MAY VARY

Underlined courses satisfy both GE and Major requirement