



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

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

MAJOR **CHEMICAL ENGINEERING (5200)**

NAME _____
 LAST FIRST MI

TERM ADMITTED _____ **YEAR: 2002-2003**

OPTION/EMPHASIS _____

EVALUATOR _____

UNITS REQUIRED **202**

STUDENT I.D. # _____

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.	Units
<i>Students in this major are expected to <u>maintain</u> a GPA of at least 2.00 in all core courses.</i>		Gen Chemistry	CHM 121	3	IGE 120	4
		Gen Chemistry	CHM 122/122L	4	IGE 121	4
		Gen Chemistry	CHM 123	3	IGE 122	4
Intro to CME	CHE 131/141L	Organic Chem	CHM 314/317L	4	IGE 220	4
CME Engineering Analysis	CHE 132/142L	Organic Chem	CHM 315	3	IGE 221	4
CME Data Treatment	CHE 133/143L	Organic Chem	CHM 316	3	IGE 222	4
		Biochemistry	CHM 327/327L	4	IGE 223	4
Stoichiometry I	CHE 201/211L				IGE 224	4
Stoichiometry II	CHE 202/212L	Elem Elec Engr	ECE 231/251L	4	Area A2,3	8
					Area D2 or	
Appl Math in CME	CHE 301	An Geom/Calculus II	MAT 115	4	EGR 403	4
		An Geom/Calculus III	MAT 116	4	Area B	
CME Thermo I	CHE 302	Calc of Sev Var I	MAT 214	3	16	
CHE Thermo II	CHE 303	Calc of Sev Var II	MAT 215	3	Area C4	4
Kinetics and Reactor Design	CHE 304	Diff Equations	MAT 216	4	Area D4	4
CHE Comp Appl Lab	CHE 310L	Vector Statics	ME 214	3		
Momentum Transport	CHE 311					
Energy Transport	CHE 312/322L	Mtl Sci/Engr	MTE 207	3		
Mass Transport	CHE 313/333L	Mtls Lab	MTE 317L	1		
		Corrosion & Matl Degrad	MTE 401	3		
Unit Operations I	CHE 425/435L	Gen Physics	PHY 132/L	4		
Process Control	CHE 426	Gen Physics	PHY 133/L	4		
Unt Op II & Proc Con Lab	CHE 436L					
Pol Abatement	CHE 432/433L					
Chem Proc Syn & Des I	CHE 441/451L					
Chem Proc Syn & Des II	CHE 442/452L					
Chem Proc Syn & Des III	CHE 443/453L					
UD CHE Elective	CHE XXX					
Undergrad Seminar	CHE 463					
		SUMMARY OF ADVANCED STANDING CREDIT: Earned Hours _____ G.P.A. Hours _____ Quality Points _____ G.P.A. _____				
UNITS REQUIRED: 70		UNITS REQUIRED: 64		GENERAL EDUCATION COURSES 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, CHM 121L</u> 5 3 Biological Science 3 4 EGR 481/482 4 Area C Humanities–16 units 1 Fine/Performing Arts 4 2 Philosophy and Civilization 4 3 Literature and Foreign Language 4 4 Humanities Synthesis* 4 Area D Social Sciences–20 units 1a PLS 201 4 1b HST 202 4 2 Elective 4 3 Elective 4 4 Social Science Synthesis* 4 Area E Lifelong Understanding and Self-Development–4 units 4 <u>Underlined courses</u> satisfy both major and general education requirements. *Department Approval Required		
UNITS REQUIRED: 70		UNITS REQUIRED: 64		UNITS REQUIRED: 68		

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.

**CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
CHEMICAL ENGINEERING**

NAME: _____

CPID: _____

CURRICULUM FLOWSHEET, 2002-2003

	FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING
	units	units	units	units	units	units	units	units	units	units	units	units
	[1] CHE 131/ CHE 141L 2	[6] CHE 132/ CHE 142L 2 [Preq: 1]	[11] CHE 133 / CHE 143L 2 [Preq: 6]	[16] CHE 201/ CHE 211L 3 [Preq: 9,13]	[21] CHE 202/ CHE212L 3 [Preq: 16]	[26] CHE 301 3 [Preq: 21,25]	[32] CHE 302 4 [Preq:5,18,21,30]	[37] CHE 303 4 [Preq: 22,32]	[41] CHE 304 4 [Preq: 34,37]	[45] CHE 425/ CHE435L 4 [Preq: 41,42]	[50] CHE 426/ CHE 436L 4 [Preq: 45]	[55] CHE 432/ CHE 433L 4 [Preq: 29,41,42]
	[2] AREA B3 3	[7] AREA A2 4	[12] PHY 131/ PHY 131L 4 [Preq: 4][Area B2]	[17] ME 214 3 [Preq: 12]	[22] MTE 207 3 [Preq: 8,12,14]	[27] MTE317L 1 [Preq: 5,22]	[33] CHE 311 4 [Preq:17,26,30]	[38] CHE 312/ CHE 322L 4 [Preq:11,32,33]	[42] CHE 313/ CHE 333L 4 [Preq: 37,38]	[46] CHE 441/ CHE 451L 4 [Preq:41,42]	[51] CHE 442/ CHE 452L 4 [Preq: 45,46]	[56] CHE 443/ CHE 453L 4 [Preq: 51]
	[3] CHM 121/ CHM121L 4 (Area B2)	[8] CHM 122/ CHM122L 4 [Preq: 3]	[13] CHM 123 3 [Preq: 8]	[18] PHY 132/ PHY 132L 4 [Preq: 12]	[23] PHY 133/ PHY 133L 4 [Preq: 12]	[28] ECE 231/ ECE 251L 4 [Preq: 14,23]	[34] CHE 310L 1 [Preq: 21]	[35] CHM 327 CHM 327L 4 [Preq: 19,24]	[39] CHE Elective 4	[47] CHE 463 2 [Preq: GWT & senior]	[52] EGR 481 2 (Area B4) [Preq: GWT & senior]	[57] EGR 482 2 (Area B4) [Preq: 52]
	[4] MAT 114 4 (Area B1)	[9] MAT 115 4 [Preq: 4]	[14] MAT 116 4 [Preq: 9]	[19] CHM 314/ CHM317L 4 [Preq: 13]	[24] CHM 315 3 [Preq: 19]	[29] CHM 316 3 [Preq: 24]	[36] Area D2 4	[40] Area D3 4	[43] AREA C3 4	[48] MTE 401 3 [Preq: 37]	[53] AREA C4 4	[58] AREA D4 4
				[20] MAT 214 3 [Preq: 14]	[25] MAT 216 4 [Preq: 14]	[30] MAT 215 3 [Preq: 20]						
						[31] AREA A3 4						
IGE	IGE 120 (4)	IGE 121 (4)	IGE 122 (4)				IGE 220 (4)	IGE 221 (4)	IGE 222 (4)	IGE 223 (4)	IGE 224 (4)	
CE	[5] ENG 104 4 (Area A1)	[10] AREA C1 4	[15] AREA C2 4					[44] AREA E 4		[49] PLS 201 4 (Area D1a)	[54] HST 202 4 (Area D1b)	
UNITS	17	18	17	17	17	18	17	16	16	17	18	14

Refer to the University Catalog for complete prerequisite and corequisite requirements.

Revised:5/10/2002

TOTAL
202