



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

**YEAR: 2000-2001**

MAJOR **CHEMICAL ENGINEERING (5200)**

NAME \_\_\_\_\_ LAST \_\_\_\_\_ FIRST \_\_\_\_\_ MI \_\_\_\_\_

UNITS REQUIRED **202**

STUDENT I.D. # \_\_\_\_\_

**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.

CORE COURSES	Units	Course Taken	Grade	SUPPORT COURSES	Units	Course Taken	Grade	IGE	Units	Course Taken	Grade	GENERAL EDUCATION COURSES	Units	Course Taken	Grade
<i>Students in this major are expected to achieve and maintain a GPA of at least 2.00 in all core courses.</i>				Gen Chemistry CHM 121	3			IGE 120	4			<b>Area 1 Comm in Eng Lang – 12 units</b>			
				Gen Chemistry CHM 122	3			IGE 121	4			1a ENG 104	4		
				Gen Chemistry CHM 123	3			IGE 122	4			1b Elective	4		
				Physical Chem CHM 311	3			IGE 220	4			1c Elective	4		
Intro to CME CHE 131L	1			Physical Chem CHM 312	3			IGE 221	4			<b>Area 2 Science/Math – 16 units</b>			
Comp Programming CHE 132/142L	3			Organic Chem CHM 314/317L	4			IGE 222	4			2a <u>MAT 114</u>	4		
CME Data Treatment CHE 133	2			Organic Chem CHM 315	3			IGE 223	4			2b <u>PHY 131/L, CHM 121L, 122L</u>	6		
								IGE 224	4			2c Elective	3		
Stoichiometry I CHE 201/211L	3			Elem Elec Engr ECE 231/251L	4			Area 1b,c	8			2d <u>CHM 316</u>	3		
Stoichiometry II CHE 202/212L	3							Area 2	16			<b>Area 3 Humanities/Social Sciences – 24 units</b>			
				An Geom/Calculus II MAT 115	4			Area 3d or	4			3a Elective	4		
Appl Math in CME CHE 301	3			An Geom/Calculus III MAT 116	4			EGR 403	4			3b Elective	4		
				Calc of Sev Var I MAT 214	3			Area 5	8			3c Elective	4		
CME Thermo I CHE 302	4			Calc of Sev Var II MAT 215	3							3d <u>EGR 403</u> or Elective	4		
CHE Thermo II CHE 303	3			Diff Equations MAT 216	4							3e,f PLS 390/SOC 390*	4		
Kinetics and Reactor Design CHE 304	4											3g Elective	4		
CHE Comp Appl Lab CHE 310L	1			Vector Statics ME 214	3							<b>Area 4 US Hst/Const/Ideals – 8 units</b>			
Momentum Transport CHE 311	4											4a PLS 201	4		
Energy Transport CHE 312/322L	4			Mtl Sci/Engr MTE 207	3							4b HST 202	4		
Mass Transport CHE 313/333L	4			Mtls Lab MTE 317L	1							<b>Area 5 Upper Division GE – 8 units</b>			
				Corrosion & Matl Degrad MTE 401	3							One course from: EC 429, 435, 436, 438, 439, or PHY 340	4		
Unit Operations I CHE 425/435L	4											One course from: MHR 301, 318, 324, 406, or 438	4		
Process Control CHE 426	3			Gen Physics PHY 132/L	4										
Unt Op II & Proc Con Lab CHE 436L	1			Gen Physics PHY 133/L	4										
Pol Abatement CHE 432/433L	4														
Chem Proc Syn & Des I CHE 441/451L	4														
Chem Proc Syn & Des II CHE 442/452L	4														
Chem Proc Syn & Des III CHE 443/453L	4														
UD CHE Elective CHE XXX	3														
Senior Project CHE 461	2														
Senior Project CHE 462	2														
Undergrad Seminar CHE 463	2														
<b>UNITS REQUIRED:</b>	<b>72</b>			<b>UNITS REQUIRED:</b>	<b>62</b>			<b>UNITS REQUIRED:</b>	<b>68</b>						

**SUMMARY OF ADVANCED STANDING CREDIT:**

Earned Hours \_\_\_\_\_

G.P.A. Hours \_\_\_\_\_

Quality Points \_\_\_\_\_

G.P.A. \_\_\_\_\_

ELM Satisfied \_\_\_ Yes \_\_\_ No

EPT Satisfied \_\_\_ Yes \_\_\_ No

GWT Satisfied \_\_\_ Yes \_\_\_ No

EVALUATOR \_\_\_\_\_

DATE \_\_\_\_\_

UPDATES \_\_\_\_\_

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

NAME: \_\_\_\_\_  
CPID: \_\_\_\_\_

**CURRICULUM FLOWSHEET, 2000-2001**

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 131L 1	[6] CHE 132/ CHE 142L 3	[11] CHE 133 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]	[36] CHE 303 3 [Preq: 22,32,34]	[41] CHE 304 4 [Preq: 36,38]		[45] CHE 425/ CHE435L 4 [Preq: 41,42]	[50] CHE 426 3 [Preq: 41,42]	[55] CHE 436L 1 [Preq: 45,50]	
				[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]	[37] CHE 312/ CHE 322L 4 [Preq: 11,32,33]	[42] CHE 313/ CHE 333L 4 [Preq: 36,37]			[51] CHE 432/ CHE 433L 4 [Preq: 29,41,42]	[56] CHE elec. 3	
[2] AREA 2c 3	[7] AREA 1b 4	[12] PHY 131/ PHY 131L 4 [Preq: 4]		[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]			[38] CHE 310L 1 [Preq: 32]			[46] CHE 441/ CHE 451L 4 [Preq: 41,42]	[52] CHE 442/ CHE 452L 4 [Preq: 45,46]	[57] CHE 443/ CHE 453L 4 [Preq: 52]	
[3] CHM 121/ CHM121L 4	[8] CHM 122/ CHM122L 4 [Preq: 3]	[13] CHM 123 3 [Preq: 8]		[19] CHM 314/ CHM317L 4 [Preq: 13]	[24] CHM 315 3 [Preq: 19]	[29] CHM 316 3 [Preq: 24]		[34] CHM 311 3 [Preq: 13,23,25]	[39] CHM 312 3 [Preq: 34]			[47] CHE 463 2 [Preq: GWT & senior]	[53] CHE 461 2 [Preq: GWT & senior]	[58] CHE 462 2 [Preq: 53]	
[4] MAT 114 4	[9] MAT 115 4 [Preq: 4]	[14] MAT 116 4 [Preq: 9]		[20] MAT 214 3 [Preq: 14]	[25] MAT 216 4 [Preq: 14]	[30] MAT 215 3 [Preq: 20]						[48] MTE 401 3 [Preq: 36]		[59] AREA 3c 4	
						[31] AREA 1c 4		[35] AREA 3d or EGR 403 4		[43] Approved AREA 5 4				[60] Approved AREA 5 4	
[5] ENG 104 4	[10] AREA 3a 4	[15] AREA 3b 4						[220] IGE 220 (4)	[221] IGE 221 (4)	[222] IGE 222 (4)		[223] IGE 223 (4)	[224] IGE 224 (4)		
									[40] PLS/SOC 390 4	[44] AREA 3g 4		[49] PLS 201 4	[54] HST 202 4		
UNITS	16	19	17	17	17	18		15	15	16		17	17	18	

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

Revised: 4/3/00

**TOTAL**  
202