



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

**YEAR: 2001-2002**

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 A Communication and Critical Thinking—12 units</b>			
				Gen Chemistry	CHM 122	3		IGE 121	4			1 Written Communication	4		
				Gen Chemistry	CHM 123	3		IGE 122	4			2 Oral Communication	4		
				Physical Chem	CHM 311	3		IGE 220	4			3 Critical Thinking	4		
Intro to CME	CHE 131/141L	2		Physical Chem	CHM 312	3		IGE 221	4			<b>Area B Math and Natural Sciences—16 units</b>			
Comp Programming	CHE 132/142L	2		Organic Chem	CHM 314/317L	4		IGE 222	4			<i>Select at least one lab course from sub-area 2 or 3.</i>			
CME Data Treatment	CHE 133/143L	2		Organic Chem	CHM 315	3		IGE 223	4			1 Mathematics and Quantitative Reasoning	4		
								IGE 224	4			2 Physical Science	4		
Stoichiometry I	CHE 201/211L	3		Elem Elec Engr	ECE 231/251L	4		Area 1b,c	8			3 Biological Science	4		
Stoichiometry II	CHE 202/212L	3						Area 3d or				4 Science and Technology Synthesis	4		
				An Geom/Calculus II	MAT 115	4		EGR 403	4			<b>Area C Humanities—16 units</b>			
Appl Math in CME	CHE 301	3		An Geom/Calculus III	MAT 116	4		Area 2	16			1 Fine/Performing Arts	4		
				Calc of Sev Var I	MAT 214	3		Area 5	8			2 Philosophy and Civilization	4		
CME Thermo I	CHE 302	4		Calc of Sev Var II	MAT 215	3						3 Literature and Foreign Language	4		
CHE Thermo II	CHE 303	3		Diff Equations	MAT 216	4						4 Humanities Synthesis	4		
Kinetics and Reactor Design	CHE 304	4										<b>Area D Social Sciences—20 units</b>			
CHE Comp Appl Lab	CHE 310L	1		Vector Statics	ME 214	3						<i>Two courses in sub-area 1, and at least one course from each of sub-areas 2, 3, and 4.</i>			
Momentum Transport	CHE 311	4										1 U.S. History, Constitution, American Ideals	8		
Energy Transport	CHE 312/322L	4		Mtl Sci/Engr	MTE 207	3						2 History, Economics, and Political Science	4		
Mass Transport	CHE 313/333L	4		Mtls Lab	MTE 317L	1						3 Sociology, Anthropology, Ethnic, and Gender Studies	4		
				Corrosion & Matl Degrad	MTE 401	3						4 Social Science Synthesis	4		
Unit Operations I	CHE 425/435L	4										<b>Area E Lifelong Understanding and Self-Development—4 units</b>			
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 II	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													
												GENERAL EDUCATION (above areas)	68		
												UNRESTRICTED ELECTIVES:	20		
													<b>SUMMARY OF ADVANCED STANDING CREDIT:</b>		
													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 _____		
<b>UNITS REQUIRED:</b>	<b>72</b>			<b>UNITS REQUIRED:</b>	<b>62</b>			<b>UNITS REQUIRED:</b>	<b>68</b>						

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.