DEGREE REQUIREMENT EVALUATION

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

California State Polytechnic University, Pomona

YEAR: 1997-98

MAJOR **CHEMICAL ENGINEERING (5200)**
OPTION
UNITS REQUIRED 202

NAME (LAST FIRST M.I.)
STUDENT ID NO.

EVALUATOR
DATE
UPDATES

Students in this major are expected to achieve and maintain a GPA of at least 2.00 in all courses included in Column I.

A. 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.

Column I

CORE COURSES IN MAJOR

Intro to CME	CHE 131L	1
Comp Programming	CHE 132/142L	3
CME Data Treatment	CHE 133	2
Stoichiometry I	CHE 201/211L	3
Stoichiometry II	CHE 202/212L	3
Appl Math in CME	CHE 301	3
CME Thermo I	CHE 302	4
CHE Thermo II	CHE 303	3
Kinetics and Reactor Design	CHE 304	4
CHE Comp Appl Lab	CHE 310L	1
Momentum Transport	CHE 311	4
Energy Transport	CHE 312/322L	4
Mass Transport	CHE 313/333L	4
Unit Operations I	CHE 425/435L	4
Process Control	CHE 426	3
Unt Op II & Proc Con Lab	CHE 436L	1
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
CHE Elective		4
UD CHE Elective	CHE XXX	2
Senior Project	CHE 461	2
Senior Project	CHE 462	2
Undergrad Seminar	CHE 463	2

Column I Units Required 72

Column II

SUPPORT AND DIRECTED ELECTIVES

Gen Chemistry	CHM 121	3
Gen Chemistry	CHM 122	3
Gen Chemistry	CHM 123	3
Physical Chem	CHM 313	3
Organic Chem	CHM 314/317L	4
Organic Chem	CHM 315/318L	4
Elem Elec Engr	ECE 231/251L	4
An Geom/Calculus II	MAT 115	4
An Geom/Calculus III	MAT 116	4
Calc of Sev Var I	MAT 214	3
Calc of Sev Var II	MAT 215	3
Diff Equations	MAT 216	4
Vector Statics	ME 214	3
Strength of Materials	ME 218	3
Mtl Sci/Engr	MTE 207	3
Mtls Lab	MTE 317L	1
Gen Physics	PHY 132/152L	4
Gen Physics	PHY 133/153L	4

Column II Units Required 60

Column IIIa

Interdis. G.E.

IGE 120	4
IGE 121	4
IGE 122	4
IGE 220	4
IGE 221	4
IGE 222	4
IGE 223	4
IGE 224	4
Area 1b,c	8
EGR 403	4
Area 2-16 units (See Col IIIb)	
Area 5-10 units (See Col IIIb)	

Column IIIb

AREA 1 – 12 units
a) ENG 104 (4) b) COM 100 or COM 204 (4) c) ENG 105 or PHL 202 (4)

AREA 2 – 16 units (must include one lab course; area 2d must be upper division)
a) MAT 114 (4) b) PHY 131/151L, CHM 121L, 122L (3,1,1,1)
c) BIO 110 (3) d) CHM 316 (3)

AREA 3 – 24 units
Arts, Literature, Philosophy, and Foreign Languages
a) Elective (4) b) Elective (4) c) UD or LD Elective (4)

AREA 3d or Social, Political, and Economic Institutions
d) EGR 403 e, f) SOC/PLS 390 (4)*

Integrated Being
g) Elective (4)

AREA 4 – 8 units
PLS 201 (4) and HST 202 (4)

AREA 5 – 10 units (A total of 12 upper division units required in GE- four in Area 2d and eight in Area 5.)
CHM 311, 312 (3,3), UD MTE Elective (4)

*course satisfies two requirements

Column III Units Required 70

TRANSFER ELECTIVES

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.
ALL SPEAKERS OF ENGLISH AS A SECOND LANGUAGE WHO HAVE NOT ACHIEVED THE MINIMUM EPT SCORE FOR ENGLISH 104 MUST TAKE ENGLISH 102 AND 103.
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, 1997-98

	FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING
	CHE 131L 1	CHE 132/ CHE 142L 3	CHE 133 2	CHE 201/ CHE 211L 3	CHE 202/ CHE212L 3	CHE 301 3	CHE 302 4	CHE 303 3	CHE 304 4	CHE 425/ CHE435L 4	CHE 426 3	CHE 436L 1
							CHE 311 4	CHE 312/ CHE 322L 4	CHE 313/ CHE 333L 4		CHE 432/ CHE 433L 4	CHE elec 3
				ME 214 3	ME 218 3	MTE 207 3	MTE 317L 1	CHE 310L 1		CHE 441/ CHE 451L 4	CHE 442/ CHE 452L 4	CHE 443/ CHE 453L 4
			PHY 131/ PHY 151L 4	PHY 132/ PHY 152L 4	PHY 133/ PHY 153L 4	ECE 231/ ECE 251L 4				CHE 463 2	CHE 461 2	CHE 462 2
	CHM 121/ CHM 121L 4	CHM 122/ CHM 122L 4	CHM 123 3	CHM 314/ CHM 317L 4	CHM 315/ CHM 318L 4	CHM 316 3	CHM 311 3	CHM 312 3	CHM 313 3	UD MTE elec. 4		
	MAT 114 4	MAT 115 4	MAT 116 4	MAT 214 3	MAT 216 4	MAT 215 3						AREA 3c 4
	BIO 110 3	AREA 1b 4					AREA 1c 4					EGR 403 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	
GE	ENG 104 4	AREA 3a 4	AREA 3b 4					PLS/SOC 390 4	AREA 3g 4	PLS 201 4	HST 202 4	
UNITS	16	19	17	17	18	17	15	15	15	18	17	18

TOTAL 202

Revised: 1/27/97