



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

YEAR: 2001-2002

MAJOR **MATERIALS ENGINEERING (5220)**

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			Area A Communication and Critical Thinking—12 units			
				Gen Chemistry	CHM 122/L	4		IGE 121	4			1 Written Communication	4		
				Gen Chemistry	CHM 123/L	4		IGE 122	4			2 Oral Communication	4		
								IGE 220	4			3 Critical Thinking	4		
Intro to CME	CHE 131L	1		Physical Chem	CHM 305	3		IGE 221	4			Area B Math and Natural Sciences—16 units			
Comp Programming	CHE 132/142L	3						IGE 222	4			<i>Select at least one lab course from sub-area 2 or 3.</i>			
CME Data Treatment	CHE 133	2		Elem Elec Engr	ECE 231/251L	4		IGE 223	4			1 Mathematics and Quantitative Reasoning	4		
Stoichiometry I	CHE 201/211L	3		An Geom/Calculus II	MAT 115	4		IGE 224	4			2 Physical Science	4		
Stoichiometry II	CHE 202/212L	3		An Geom/Calculus III	MAT 116	4		AREA 1b,c	8			3 Biological Science	4		
Undergrad Seminar	CHE 463	2		Calc of Sev Var I	MAT 214	3		EC 201/202	4			4 Science and Technology Synthesis	4		
Thermo & Trans Seq (Pattern A or B)**		15		Calc of Sev Var II	MAT 215	3		Area 2	16			Area C Humanities—16 units			
Mtl Engg in Industry	MTE 205L	1		Diff Equations	MAT 216	4		units				1 Fine/Performing Arts	4		
Mtl Sci and Engr	MTE 207	3										2 Philosophy and Civilization	4		
Mtl Sci and Engr Lab	MTE 317L	1		Vector Statics	ME 214	3						3 Literature and Foreign Language	4		
Adv Sci of Materials	MTE 327/L	4		Strength of Materials	ME 218	3		Area 5	8			4 Humanities Synthesis	4		
Mechanical Metallurgy	MTE 320/L	4		Str. of Mtl. Lab.	ME 220L	1		units				Area D Social Sciences—20 units			
Kinetic Proc in Mtl	MTE 338	3										<i>Two courses in sub-area 1, and at least one course from each of sub-areas 2, 3, and 4.</i>			
Materials Joining/Lab	MTE 337/L	3		Gen Physics	PHY 132/152L	4						1 U.S. History, Constitution, American Ideals	8		
Polymer Engr/Lab	MTE 303/L	4		Gen Physics	PHY 133/153L	4						2 History, Economics, and Political Science	4		
Ceramic Mtl/Lab	MTE 407/L	4										3 Sociology, Anthropology, Ethnic, and Gender Studies	4		
Corr & Mtl Degradation	MTE 401	3		Engr Graphics	MFE 126/L	3						4 Social Science Synthesis	4		
Fract & Failure Analysis	MTE 422	3										Area E Lifelong Understanding and Self-Development—4 units			
Mtl Sel & Design I	MTE 420/L	3										GENERAL EDUCATION (above areas)	68		
Mtl Sel & Design II	MTE 430/L	3										UNRESTRICTED ELECTIVES:	20		
MTE Electives	MTE 4XX	8													
UD Tech Elective(s)		4													
** Pattern A:															
Appl Math in CME	CHE 301	(3)													
CME Thermo I	CHE 302	(4)													
Momentum Transport	CHE 311	(4)													
Energy Transport	CHE 312/322L	(4)													
**Pattern B:															
Vector Dynamics	ME 215	(4)													
Thermodynamics	ME 301	(4)													
Fluid Mechanics	ME 311	(3)													
Heat Transfer	ME 415	(4)													
UNITS REQUIRED:	80			UNITS REQUIRED:	54			UNITS REQUIRED:	68						

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 _____