DEGREE REQUIREMENT EVALUATION

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

California State Polytechnic University, Pomona

YEAR: 1999-2000

MAJOR **CIVIL ENGINEERING (5252)**
OPTION **Environmental Engineering**
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

CAD Engine Concepts	CE 127/L	3
Elem Surveying	CE 134/L	4
Computers in CE	CE 210/L	2
Structural Anal I	CE 304	4
Structural Anal II	CE 305	4
Structural Mat Lab	CE 306L	1
Geotech Engr I	CE 325	2
Geotech Engr II	CE 326/327L	3
Geotech Lab	CE 327L	1
Hydraulic Engr	CE 332/L	4
Str. Des-Rein Conc	CE 421	4
Concrete Design Lab	CE 422L	1
Water Supply Engr	CE 431/L	4
Applied Elect Engr	ECE 232	3
Vector Statics	ME 214	3
Vector Dynamics	ME 215	4
Strength Matls	ME 218	3
Fluid Mechanics	ME 311	3

REQUIRED OPTION COURSES

Aquatic Ecology	BIO 305	4
Intro to Civ Engr	CE 122	1
Comp Prg & Num Meth	CE 303	3
Envir Resource Sys	CE 351/L	4
Const. & Engr Law	CE 403	3
Structural Des-Steel	CE 406	4
Water Quality Engr	CE 432/L	4
Ind & Haz Wastes	CE 434/L	4

Column I Units Required 105

Column I (con't)

Engr Hydrology	CE 451/L	4
Solid Waste Management	CE 457	3
Design Project	CE 461, 462, 463	
or	CE 491, 492, 493	6
Tech Elect*	CE XXX	4
Thermodynamics	ME 301	4
Groundwater	CE 456/L	4

* U.D. CE Course approved in advance by student advisor.

Column II

SUPPORT AND DIRECTED ELECTIVES

Gen Chemistry	CHM 121/L	4
Gen Chemistry	CHM 122/L	4
Anal Geom/Calc II	MAT 115	4
Anal Geom/Calc III	MAT 116	4
Calc of Several Vari I	MAT 214	3
Differential Equations	MAT 216	4
General Physics	PHY 132	3
General Physics	PHY 133	3

Column II Units Required 29

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
COM 204	4
CE 361	4
CE 301	4

Area 2-16 units (See Col IIIb)
Area 5-8 units (See Col IIIb)

Column IIIb

AREA 1 – 12 units
a) ENG 104 (4) b) COM 204 (4) c) CE 361/L (4) or ENG 105

AREA 2 – 16 units (must include one lab course; area 2d must be upper division)
a) MAT 114 (4) b) PHY 131/151L, 152L, 153L (3,1,1,1)
c) Elective (3) d) IME 301 or STA 309 (3)

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

Social, Political, and Economic Institutions
d) CE 301 (4) e, f) PLS 390/SOC 390 (4)*

Integrated Being
g) Elective (4)

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

AREA 5 – 8 units (A total of 12 upper division units required in GE–four in Area 2d and eight in Area 5.)
GSC 321 (4) and MHR 318 (4)

*course satisfies two requirements

Underlined courses satisfy both major and general education requirements.

Column III Units Required 68

TRANSFER ELECTIVES

SUMMARY OF ADVANCED STANDING CREDIT:
Earned Hours _____
G.P.A. Hours _____
Quality Points _____
G.P.A. _____

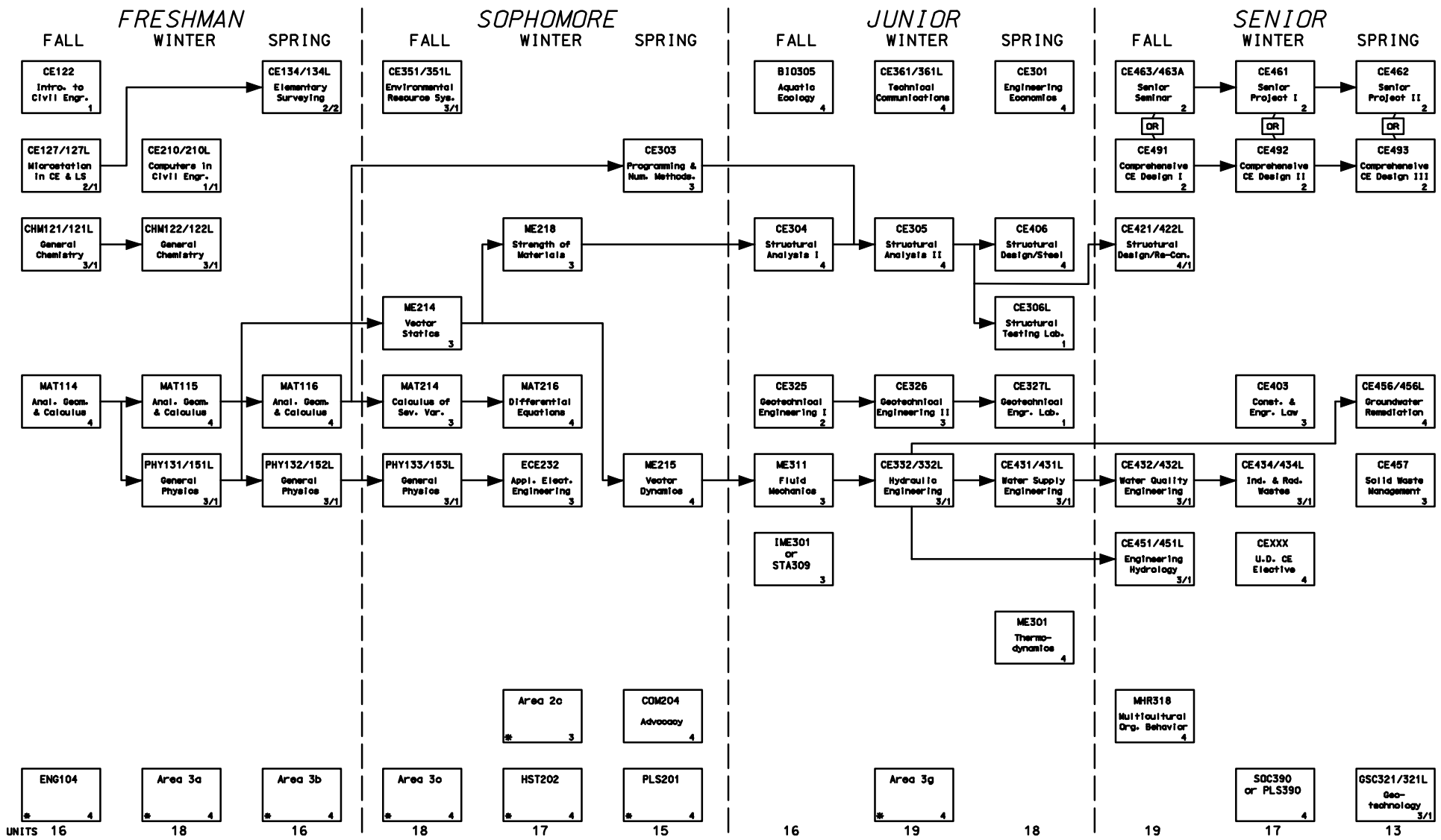
NOT MORE THAN 105 UNITS FROM A COMMUNITY COLLEGE NOR MORE THAN 36 UNITS OF EXTENSION WORK MAY BE APPLIED TOWARD A BACHELOR'S DEGREE.
ALL SPEAKERS OF ENGLISH AS A SECOND LANGUAGE WHO HAVE NOT ACHIEVED THE MINIMUM EPT SCORE FOR ENGLISH 104 MUST TAKE ENGLISH 102 AND 103.
A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR.

CALIFORNIA STATE POLYTECHNIC UNIVERSITY POMONA
CIVIL ENGINEERING DEPARTMENT CURRICULUM

AY 1999/2000

ENVIRONMENTAL ENGINEERING OPTION

NAME:_____DATE:__/__/__



Students are responsible for prerequisites. Refer to University Catalog 1999/2000.

* Qualified students may substitute IGE sequence for courses with asterisk. See University Catalog.

TOTAL = 202

Revision 11/3/98