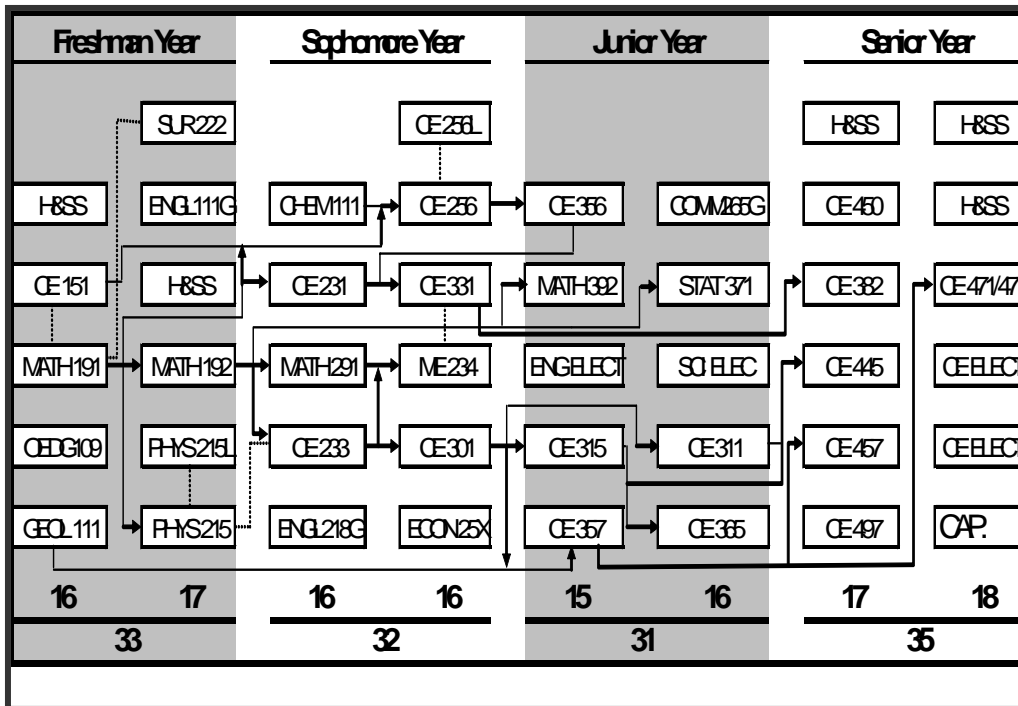


NMSU Civil Engineering Curriculum, 2005-2006 Catalog



Freshman Year (33 credits)

C E 151, Introduction to Civil Engineering	3
GEOL 111, Survey of Geology	4
ENGL 111G, Rhetoric and Composition	4
Humanities or social science elective*	6
MATH 191,192, Calculus and Analytic Geometry I, II	6
OEDG 109, Computer Drafting	3
PHYS 215, Engineering Physics I	3
PHYS 215L., Engineering Physics I Laboratory	1
SUR 222, Plane Surveying	3

Sophomore Year (32 credits)

C E 231, Introduction to Fluid Mechanics	3
C E 233, Mechanics-Statics	3
C E 256, Environmental Science	3
C E 256L, Environmental Science Laboratory	1
C E 301, Mechanics of Materials	3
C E 331, Hydraulic Engineering	3
CHEM 111, General Chemistry	4
ECON 251G, Principles of Macroeconomics, or ECON 252G, Principles of Microeconomics	3
ENGL 218G, Tech. and Prof. Communication	3
M E 234, Mechanics-Dynamics	3
MATH 291, Calculus and Analytic Geometry III	3

Junior Year (31 credits)

C E 311, Properties of Materials	3
C E 315, Determinate Structures	3
C E 356, Fundamentals of Environmental Engineering	3
C E 357, Soil Mechanics	3
C E 365, Indeterminate Structures	3
COMM 265G, Principles of Human Communication	3
Engineering Elective - EE 201 or ME 240	3
MATH 392, Differential Equations	3
Science Elective – CHEM 112 or PHYS 216+216L	4
STAT 371, Statistics for Engineers and Scientists I, or approved upper-division math elective	3

Senior Year (35 credits)

C E 450, Engineering Economy and Law	3
C E 497, Senior Seminar	2
Civil engineering options (see table below)	6
Humanities or social science electives (upper-division)*	6
Humanities or social science elective*	3
CE 445, Concrete Design	3
CE 382, Hydraulic Design	3
CE 457, Foundation Design	3
CE 471 Highway Design or CE 477 Construction	3
CE 469, CE 482, CE 485 or ENVE 456	3

Civil Engineering Options (6 Credits Each)

Electives for Environmental Option

EnvE 455	3
GEN 452, AEN 459, or C E 483	3

Electives for Structural Option

CE 444	3
C E 454, CE 455, or CE 468	3

Electives for Geotechnical Option

G EN 452, G EN 453, or G EN 459	6
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Electives for Water Resources Option

GEN 459 or G EN 452	3
C E 483	3

Electives for General Civil Engineering Option

CE 455, CE 444, or EnvE 455	3
A EN 459, G EN 452,	3
C E 483, A EN 475, A EN 478, or A EN 479	