

4-Year UNDERGRADUATE CURRICULUM PLAN
CIVIL ENGINEERING (4325)
Effective 2003/2004 Catalog Year

FRESHMAN

Course Title	Units	Course Title	Units
CHEM 111A, Gen Chemistry	5	PHYS 151, Mechanics & Heat	4
MATH 122, Calculus I	4	MATH 123, Calculus II	4
GE (A.1) English*	3	MAE 172, Engineering Design Graphics	3
GE (A.2) Comm*	3	GE (A.3) Critical Thinking*	3
Univ 100, Univ & Your Future	1	GE (D.1.b) Political Science.*	3
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SOPHOMORE

Course Title	Units	Course Title	Units
PHYS 152, Elect & Magnetism, <u>or</u>	4	CE 225, Surveying & Mapping	2
EE 210 Fund. Of Electric Circuits and	3	CE 300, Matls for Civil Engr	2
EE 210L, Fund. Of Electric Circuits Lab	1	MATH 370A, Applied Math I	3
MATH 224, Calculus III	4	ECON 300 (D.2) Fund. of Economics	3
CE 205, Anal Mech I (Statics)	3	GE (C.2.a,b,c) Lit/Phil/F.L.*	3
CE 206, Computer Prog & CE Appl I	2	BIOL 200, General Biology or	
GE (D.1a) U.S. History*	3	Micr. 200, Gen. Micr. for Hlth Prof. (B.1.a)	4
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JUNIOR

Course Title	Units	Course Title	Units
GEOL 370, Engr Geology	2	CE 345, Geotechnical Engr I	3
CE 335, Fluid Mechanics	3	CE 346, Geotech Engr. Lab	1
MAE 330, Engr Thermodynamics I	3	CE 359, Structural Analysis I	3
MAE 371, Anal Mech. II (Dynamics)	3	CE 364, Environmental Engr	3
MAE 373, Mech Deformable Bodies	3	CE/MAE Lab (I)	1
GE (C.1) Fine Arts*	3	GE (D.2) Social/Behv Sci*	3
	<hr style="width: 100%; border: 0.5px solid black;"/>	GE** (C.3/E) Human/Self-Integ.*	3
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SENIOR

Course Title	Units	Course Title	Units
CE 406, Engr Econ & Admin	3	CE 481, Professional Practice in CE	1
CE 407, Probability and Statistics in C.E.	2	CE 490, Senior Design Project	3
CE 426, Transportation Engr	3	CE Technical Design Elective (iii)	3
CE 437, Engineering Hydraulics	3	CE Technical Design Elective (iii)	3
CE 459, Reinforced Concrete Design I	3	CE Technical Elective (ii)	3
CE/MAE Lab (i)	1	GE (C.2a, b, c) Lit/Phil/F.L.*	3
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TOTAL FOR DEGREE = 131 UNITS