

# 5-Year UNDERGRADUATE CURRICULUM PLAN

## CIVIL ENGINEERING (4325)

### Effective 2003/2004 Catalog Year

#### FIRST SEMESTER

Course Title	Units
CHEM 111A, Gen Chemistry	5
MATH 122, Calculus I	4
GE (A.2) Comm*	3
Univ 100, Univ & Your Future	1

---

**13**

#### THIRD SEMESTER

Course Title	Units
PHYS 152, Elect & Magnetism, <u>or</u>	4
EE 210 Fund. Of Electric Circuits and	3 *
EE 210L, Fund. Of Electric circuits Lab	1*
MATH 224, Calculus III	4
MAE 172, Engineering Design Graphics	3
GE (D.1.b) Political Science.*	3

---

**14**

#### FIFTH SEMESTER

Course Title	Units
MATH 370A, Applied Math I	3
GE (C.2.a,b,c) Lit/Phil/F.L.*	3
BIOL 200, General Biology or	
Micr. 200, Gen. Micr. for Hlth Prof. (B.1.a)	4
MAE 371, Anal Mech. II (Dynamics)	3

---

**13**

#### SEVENTH SEMESTER

Course Title	Units
MAE 373, Mech Deformable Bodies	3
CE 345, Geotechnical Engr I	3
CE 346, Geotech Engr. Lab	1
CE 359, Structural Analysis I	3
CE 364, Environmental Engr	3

---

**12**

#### NINTH SEMESTER

Course Title	Units
CE 407, Probability and Statistics in C.E.	2
CE 426, Transportation Engr	3
CE 437, Engineering Hydraulics	3
CE/MAE Lab (i)	1
CE Technical Design Elective (iii)	3

---

**12**

#### SECOND SEMESTER

Course Title	Units
PHYS 151, Mechanics & Heat	4
MATH 123, Calculus II	4
GE (A.3) Critical Thinking*	3
GE (A.1) English*	3

---

**14**

#### FOURTH SEMESTER

Course Title	Units
CE 225, Surveying & Mapping	2
CE 300, Mats for Civil Engr	2
CE 205, Anal Mech I (Statics)	3
CE 206, Computer Prog & CE Appl I	2
GE (D.1a) U.S. History*	3

---

**12**

#### SIXTH SEMESTER

Course Title	Units
ECON 300 (D.2) Fund. of Economics	3
GEOL 370, Engr Geology	2
CE 335, Fluid Mechanics	3
MAE 330, Engr Thermodynamics I	3
GE (C.1) Fine Arts*	3

---

**14**

#### EIGHTH SEMESTER

Course Title	Units
CE/MAE Lab (I)	1
GE (D.2) Social/Behv Sci*	3
GE** (C.3/E) Human/Self-Integ.*	3
CE 406, Engr Econ & Admin	3
CE 459, Reinforced Concrete Design I	3

---

**13**

#### TENTH SEMESTER

Course Title	Units
CE 481, Professional Practice in CE	1
CE 490, Senior Design Project	3
CE Technical Design Elective (iii)	3
CE Technical Elective (ii)	3
GE (C.2a, b, c) Lit/Phil/F.L.*	3

---

**13**

**TOTAL FOR DEGREE = 131 UNITS**