



TEMPLE UNIVERSITY - COLLEGE OF ENGINEERING
BACHELOR OF SCIENCE IN CIVIL ENGINEERING (B.S.C.E.)
Concentration in Environmental Engineering
PROGRAM OUTLINE - FALL 2008

FALL

SPRING

1st Semester

		s.h.	
	2	ENGR 1101 Intro to Engineering	
	4	MATH 1041 Calculus I	
	4	CHEM 1031/1033 & Lab	
	4	GenEd Analytical Reading & Writing	
	14		

2nd Semester

		s.h.	
	4	MATH 1042 Calculus II	
	4	PHYS 1061 Physics I	
	3	GenEd Mosaic I	
	3	ENGR 1117 Graphics	
	14		

3rd Semester

		s.h.	
	4	MATH 2043 Calculus III	
	4	PHYS 1062 Physics II	
	3	Engr 2331 Engineering Statics	
	2	CE 2011 Civil Engineering Material	
	3	GenEd Mosaic II	
	16		

4th Semester

		s.h.	
	3	ENGR 2333 Mechanics of Solids	
	2	CE 1105 Surveying	
	3	MATH 3041 Differential Equations	
	3	ENGR 2332 Engineering Dynamics	
	3	ENGR 3571 Thermodynamics	
	3	GenEd Hum Behav _____	
	17		

5th Semester

		s.h.	
	3	ENGR 3553 Fluid Mechanics	
	1	ME 3506 Fluids and Energy Lab	
	4	CE 3331/2 Soil Mechanics and Lab	
	3	CE 3711 Environmental Engineering	
	3	CE Elective	
	3	Science Elective	
	17		

6th Semester

		s.h.	
	1	ENGR 4169 Professional Seminar	
	3	CE 3048 Probability & Statistics	
	3	CE 3311 Construction Engineering	
	3	CE Technical Elective _____	
	3	GenEd Am. Soc _____	
	3	Free Elective _____	
	16		

7th Semester

		s.h.	
	1	ENGR 4196 Senior Design I	
	3	ENGR 3096 Engineering Economics	
	3	CE Technical Elective	
	3	GenEd World Soc _____	
	3	GenEd Arts _____	
	2	Free Elective	
	15		

8th Semester

		s.h.	
	3	ENGR 4296 Senior Design II	
	3	EE 211x Electrical Engrg	
	3	CE Technical Elective	
	3	CE Technical Elective	
	3	GenEd Race & Diver. _____	
	15		

Total: 124 s.h.

^s See Advisor for Prerequisites

[^] University General Education (**Gen Ed**) Curriculum, 36 credit hours required (consult Advisor)

Science Electives (3 s.h. required) :

ENGR 3496 Material Science (3), **GEOL 1001** Intro to Geology (3) (or equivalent), **CE 2701** Env Chem & Microbiology (3)

****Approved CE Technical Electives:** (3 out of the 4 **bold** courses are required for the Environmental Concentration)

5th/7th Semester

- CE 3211 Transportation Engineering
- CE 3411 Structural Analysis
- CE 3412 Structural Analysis Lab
- CE 4221 Intell Transportation Sys
- CE 43xx Engr Project Mgmt
- CE 4631 Environmental Hydrology
- CE 4721 Water & Wastewater Systems Design**
- CE 4711 Air Pollution Control Engineering**

6th/8th Semester

- CE 4321 Geotechnical Engineering
- CE 43xx Construction Administration
- CE 3611 Hydraulic Engineering (An advanced course)
- CE 4621 Engineering Hydrology**
- CE 4731 Solid Waste Management**