



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

**FALL**

**SPRING**

**1<sup>st</sup> Semester**

		s.h.	
	2	ENGR 1101 Intro to Engineering	
	4	MATH 1041 Calculus I (GenEd QL)^	
	4	Chem 1031/1033 & Lab	
	4	GenEd Analytical Reading & Writing^	
	<b>14</b>		

**2<sup>nd</sup> Semester**

		s.h.	
	4	Math 1042 Calc II	
	4	PHYS 1061 Physics I	
	3	GenEd Mosaic I	
	3	ENGR 1117 Graphics	
	<b>14</b>		

**3<sup>rd</sup> Semester**

		s.h.	
	4	MATH 2043 Calculus III	
	4	PHYS 1062 Physics II	
	3	ENGR 2331 Engineering Statics	
	2	CE 2011 Civil Engineering Materials	
	3	GenEd Mosaic II	
	<b>16</b>		

**4<sup>th</sup> 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 _____	
	<b>17</b>		

**5<sup>th</sup> Semester**

		s.h.	
	3	ENGR 3553 Fluid Mechanics	
	4	CE 3331/2 Soil Mechanics and Lab	
	4	CE 3411/2 Structural Analysis and Lab	
	3	GenEd Am Soc _____	
	3	ENGR 3496 Material Science	
	<b>17</b>		

**6<sup>th</sup> Semester**

		s.h.	
	1	ENGR 4169 Professional Seminar	
	3	CE 3048 Probability & Statistics	
	3	CE 3211 Transportation Engineering	
	3	CE 3311 Construction Engineering	
	4	CE Steel and Concrete Design	
	3	GenEd World Soc _____	
	<b>17</b>		

**7<sup>th</sup> Semester**

		s.h.	
	1	ENGR 4196 Senior Design I	
	opt	ENGR 3096 Engineering Economics	
	3	CE Technical Elective _____	
	3	CE 3711 Environmental Engineering	
	3	Free Elective _____	
	3	GenEd Arts _____	
	<b>13</b>		

**8<sup>th</sup> 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. _____	
	1	ME 3506 Fluids and Energy Lab	
	<b>16</b>		

**Total: 124 s.h.**

<sup>s</sup> See Advisor for Prerequisites

<sup>^</sup> University General Education (**Gen Ed**) Curriculum, 36 credit hours required (consult Advisor)

**\*\*Approved CE Technical Electives:**

**7<sup>th</sup> Semester/Fall**

- CE 4221 Intelligent Transportation Sys
- CE 43xx Engineering Project Management
- CE 4432 Behavior & Design Concrete Structures
- CE 4721 Water & Wastewater Sys
- CE 4631 Environmental Hydrology
- CE 4711 Air Pollution Control Engineering

**8<sup>th</sup> Semester/Spring**

- CE 4211 Bridge Engineering
- CE 4321 Geotechnical Engineering
- CE 43xx Construction Administration
- CE 4431 Behavior & Design Steel Structures
- CE 4433 Behavior & Design Masonry Structures
- CE 4621 Engineering Hydrology