

Major in Civil Engineering - B.S.C.E.

University Requirements:		
See University General Requirements for Baccalaureate degrees (p. 40)		<input type="checkbox"/>
First Year Making Connections Course:	Sem. Hrs.	
ENGR 1402, Concepts of Engineering (See Engineering Core Courses)	-	<input type="checkbox"/>
General Education Requirements:	Sem. Hrs.	
See General Education Curriculum for Engineering	38	<input type="checkbox"/>
Engineering Core Courses:	Sem. Hrs.	
Refer to Engineering Core Courses	27	<input type="checkbox"/>
Major Requirements: In addition to the University requirements for all Baccalaureate Degrees, a Bachelor of Science in Civil Engineering requires that one of the two following conditions be met: 1. "C" or better in each course in the 56 hour major courses; OR 2. 2.5 (or greater) grade point average in the 56 hour major courses listed below.	Sem. Hrs.	
BIOL 1063, People and the Environment	3	<input type="checkbox"/>
CE 2202, Civil Engineering Presentations	2	<input type="checkbox"/>
CE 2223, Plane Surveying	3	<input type="checkbox"/>
CE 3213, Structural Analysis I	3	<input type="checkbox"/>
CE 3223, Civil Engineering Materials	3	<input type="checkbox"/>
CE 3233, Structural Analysis II OR CE 4263, Water and Waste Treatment	3	<input type="checkbox"/>
CE 3253, Engineering Hydrology	3	<input type="checkbox"/>
CE 3263, Introduction to Environmental Engineering	3	<input type="checkbox"/>
CE 3273, Water and Waste Systems	3	<input type="checkbox"/>
CE 4203, Transportation Engineering I	3	<input type="checkbox"/>

CE 4223, Transportation Engineering II	3	<input type="checkbox"/>
CE 4233, Foundation Engineering	3	<input type="checkbox"/>
CE 4243, Reinforced Concrete Design	3	<input type="checkbox"/>
CE 4253, Soil Mechanics	3	<input type="checkbox"/>
CE 4251, Soil Mechanics Laboratory	1	<input type="checkbox"/>
CE 4283, Structural Steel Design	3	<input type="checkbox"/>
ENGR 2411, Mechanics of Materials Laboratory	1	<input type="checkbox"/>
ENGR 2413, Mechanics of Materials	3	<input type="checkbox"/>
ENGR 3423, Dynamics	3	<input type="checkbox"/>
ENGR 3471, Fluid Mechanics Laboratory	1	<input type="checkbox"/>
ENGR 3473, Fluid Mechanics	3	<input type="checkbox"/>
Science Elective: CHEM 1023, General Chemistry II AND CHEM 1021, General Chemistry II Lab OR GEOL 1003, Environmental Geology AND GEOL 1001, Environmental Geology Lab OR PHYS 2044, University Physics II	4	<input type="checkbox"/>
Sub-total	60	<input type="checkbox"/>
Additional Support Course:	Sem. Hrs.	
MATH 4403, Differential Equations	3	<input type="checkbox"/>
Total Required Hours:	128	