



## Bachelor of Science in Civil Engineering (BSCE) Curriculum, 2008

First Year							
First Semester	lec. (hrs/wk)	lab. (hrs/wk)	units	Second Semester	lec. (hrs/wk)	lab. (hrs/wk)	units
GE* (Arts & Humanities)	3	0	3	GE* (Arts & Humanities)	3	0	3
GE* (Arts & Humanities)	3	0	3	GE* (Social Science & Philosophy)	3	0	3
GE* (Social Science & Philosophy)	3	0	3	GE* (Math, Science & Technology)	3	0	3
GE* (Social Science & Philosophy)	3	0	3	Math 53 (Elementary Analysis I)	5	0	5
GE* (Math, Science & Technology)	3	0	3	Chem 16 (General Chemistry I)	3	6	5
Math 17 (Algebra and Trigonometry)	5	0	5	PE**			(2)
PE**			(2)	NSTP***			(3)
NSTP***			(3)				
	20	0	20		17	6	19
Second Year							
First Semester	lec. (hrs/wk)	lab. (hrs/wk)	units	Second Semester	lec. (hrs/wk)	lab. (hrs/wk)	units
GE* (Arts & Humanities)	3	0	3	Math 55 (Elementary Analysis III)	3	0	3
Geol 11 (Principles of Geology)	3	0	3	Physics 72 (Elementary Physics II)	4	0	4
Math 54 (Elementary Analysis II)	5	0	5	Physics 72.1 (Elementary Physics II Lab)	0	3	1
Physics 71 (Elementary Physics I)	4	0	4	GE 10 (General Surveying I)	2	3	3
Physics 71.1 (Elementary Physics I Lab)	0	3	1	ES 11 (Statics of Rigid Bodies)	3	0	3
ES 1 (Engineering Drawing)	0	6	2	CE 26 (Analytical & Comp. Methods in CE I)	2	3	3
PE**			(2)	PE**			(2)
	15	9	18		14	9	17
Third Year							
First Semester	lec. (hrs/wk)	lab. (hrs/wk)	units	Second Semester	lec. (hrs/wk)	lab. (hrs/wk)	units
Physics 73 (Elementary Physics III)	4	0	4	EEE 3 (Elementary Electrical Engineering)	3	0	3
Physics 73.1 (Elementary Physics III Lab)	0	3	1	GE 12 (General Surveying II)	2	6	4
ES 12 (Dynamics of Rigid Bodies)	2	3	3	CE 14 (Solid Mechanics)	3	0	3
ES 13 (Mechanics of Deformable Bodies I)	3	0	3	CE 15 (Fluid Mechanics for Civil Engineering I)	2	3	3
CE 21 (Engineering Statistics)	3	0	3	CE 28 (Analytical & Comp. Methods in CE III)	2	3	3
CE 27 (Analytical & Comp. Methods in CE II)	2	3	3	CE 131 (Elements of Environmental Eng.)	3	0	3
	14	9	17		15	12	19
Fourth Year							
First Semester	lec. (hrs/wk)	lab. (hrs/wk)	units	Second Semester	lec. (hrs/wk)	lab. (hrs/wk)	units
CE 16 (Fluid Mechanics for Civil Engineering II)	1	3	2	CE 111 (Hydraulic Engineering)	3	0	3
CE 22 (Engineering Economy)	3	0	3	CE 123 (Construction Eng. & Management I)	3	0	3
CE 110 (Hydrology)	3	0	3	CE 132 (Sanitary Engineering I)	3	0	3
CE 121 (Construction Materials)	2	3	3	CE 141 (Transportation Engineering I)	3	0	3
CE 155 (Structural Analysis)	3	0	3	CE 156 (Design of Steel Members)	3	0	3
CE 162 (Geotechnical Engineering I)	3	0	3	CE 163 (Geotechnical Engineering II)	3	0	3
	15	6	17		18	0	18
Fifth Year							
First Semester	lec. (hrs/wk)	lab. (hrs/wk)	units	Second Semester	lec. (hrs/wk)	lab. (hrs/wk)	units
GE* (Social Sciences & Philosophy)	3	0	3	GE* (Math, Science & Technology)	3	0	3
CE 112 (Water Resources Engineering II)	3	0	3	GE* (Social Sciences & Philosophy)	3	0	3
CE 124 (Construction Eng. & Management II)	3	0	3	GE* (Arts & Humanities)	3	0	3
CE 142 (Transportation Engineering II)	3	0	3	PI 100 (The Life & Works of Jose Rizal)	3	0	3
CE 157 (Design of Reinforced Conc. Members)	3	0	3	CE 199 (Undergraduate Research Project)	1	6	3
CE 190 (Seminar & Research Methods in CE)	0	3	1	Elective 2****	3	0	3
Elective 1****	3	0	3				
	18	3	19		16	6	18
<b>Total Number of Units*** = 182</b>							

**Notes:**

\* Six (6) units of GE courses must be in Philippine Studies in any domain

\* Nine (9) units of GE (AH) courses must be in Communication in English

\* GE (MST) Math, Physics, Chem, Geol, ES, GE, EEE cannot be credited as GE courses

\*\* for physical education (PE), the student is required to complete any 4 physical education (PE) courses

\*\*\*as a requirement for graduation, all male and female students are required to take a 1-year program in one of the following components:

- a) Military Training Service/ROTC    b) Civic Welfare Training    c) Literacy Training

\*\*\*\*with departmental approval, this will enable the student to choose from among the major tracks of civil engineering

(Qualified Electives: CE 113, 114, 125, 133, 134, 135, 143, 158, 164, CE 197, CE 198, Arch 55, EgeE 101, Geog 31)

Recent Curricular Revisions: 1 March 2002 (RGEP), 23 July 2003 (CE 15 and CE16)

23 April 2008 (Institution of Courses CE 26, CE 27, CE 28, CE 155, CE 156, CE 157, CE 190, CE 199, CE 113, CE 125)