

Bachelor of Science in Civil Engineering (BSCE)

Effective: June 2013-2014

FIRST YEAR	FIRST SEMESTER				
SUBJECT CODE	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
Math 101	College Algebra	3	0	3	None
Math 103	Plane and Spherical Trigonometry	3	0	3	None
Chem 101	General Chemistry 1	3	3	4	None
ES 101	Computer Fundamentals with Software Applications	2	3	3	None
Engl 101	Communication Arts I	3	0	3	None
Fili 101	Komunikasyon sa Akademikong Filipino	3	0	3	None
Human 101	Arts & Appreciation	3	0	3	None
PE 101	Physical Fitness & Health	2	0	2	None
NSTP 1	National Service Training Program	3	0	3	None
TOTAL		25	6	27	

FIRST YEAR	SECOND SEMESTER				
SUBJECT CODE	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
Math 102	Advanced Algebra	2	0	2	Math 101
Math 104	Analytic Geometry	3	0	3	Math 101, Math 103
Math 105	Solid Mensuration	3	0	3	Math 101, Math 103
ES 102	Computer Programming	2	3	3	ES 101
Engl 102	Communication Arts II	3	0	3	Engl. 101
Fili 102	Pagbasa't Pagsulat Tungo sa Pananaliksik	3	0	3	Fili 101
Soc. Sci 101	Philippine History	3	0	3	None
PE 102	Rhythmic Activities	2	0	2	PE 101
NSTP 2	National Service Training Program	3	0	3	NSTP 1
TOTAL		24	3	25	

SECOND YEAR	FIRST SEMESTER				
SUBJECT CODE	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
Math 106	Differential Calculus	5	0	5	Math102,Math104, Math105
Math 110	Probabilities & Statistics	3	0	3	Math 102
ES 103	Engineering Drawing	0	6	2	None
Phys 101	College Physics 1	3	3	4	Math 102, Math 103
Engl 103	Technical Communication w/ Jeep Start 1	3	0	3	Engl. 102
Philo 101	Logic	3	0	3	None
Soc.Sci. 102	Principles of Economics, Taxation & Agrarian Reform	3	0	3	None

Human 102	The Image of the Filipino in Arts	3	0	3	None
PE 103	Individual & Dual Sports	2	0	2	PE 101
TOTAL		25	9	28	

SECOND YEAR		SECOND SEMESTER			
SUBJECT CODE	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
Math 107	Integral Calculus	5	0	5	Math 106
ES104	Computer Aided Drafting	1	3	2	ES 103
Phys 102	College Physics 2	3	3	4	Phys 101
Engl. 107	Advanced Grammar and Public Speaking w/ Jeep Start 2	3	0	3	Engl. 103
Soc. Sci 103	General Psychology	3	0	3	None
Soc.Sci.104	Politics and Governance w/ Phil. Constitution	3	0	3	None
Rizal 101	Life and Works of Rizal	3	0	3	None
PE 104	Team Sports	2	0	2	PE 101
TOTAL		23	6	25	

THIRD YEAR		FIRST SEMESTER			
SUBJECT CODE	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
Math 108	Differential Equations	3	0	3	Math 107
ES 105	Statics of Rigid Bodies	3	0	3	Phys 101, Math 107
ES 110	Environmental Engineering	3	0	3	Chem. 101
ES 111	Safety Management	3	0	3	3rd Year Standing
ES 112	Engineering Economy	3	0	3	3rd Year Standing
CE 101	Civil Engineering Drafting	0	6	2	ES 103
CE 103	Elementary Surveying	3	3	4	Math 102, Math 103, ES 103
EE 124	Basic Electrical Engineering	3	0	3	P6 102 & Math 107
TOTAL		21	9	24	

THIRD YEAR		SECOND SEMESTER			
SUBJECT CODE	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
Math 109	Advanced Engineering Math	3	0	3	Math 108
ES 106	Dynamics of Rigid Bodies	3	0	3	ES 105
ES 107	Mechanics of Deformable Bodies	3	0	3	ES 105
ES 109	Basic Thermodynamics	3	0	3	Phys 102 & Math 107
ES 113	Engineering Management	3	0	3	3rd Year Standing
CE 108	Computer Application to CE Drafting	2	3	3	CE 101
CE 104	Higher Surveying	3	3	4	CE 103

Jeep 01	Jeep Start Accelerate 01	1.5	4.5	3	Engl 107
	TOTAL	21.5	10.5	25	

FOURTH YEAR SUBJECT CODE	FIRST SEMESTER				
	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
Math 112	Numerical Methods	3	3	4	Math 109, ES 105
ES 108	Mechanics of Fluids	2	3	3	ES 107& Math 108
CE 105	Highway Engineering	3	0	3	CE 104
CE 109	Building Design 1	1	3	2	ES 103
CE 111	Geotechnical Engineering I (Soil Mechanics)	3	3	4	ES 107
CE 113	Construction Materials & Testing	3	3	4	ES 107
CE 114	Structural Theory I	3	3	4	ES 107
Jeep 02	Jeep Start Accelerate 02	1.5	4.5	3	ES 107
	TOTAL	19.5	22.5	27	

FOURTH YEAR SUBJECT CODE	SECOND SEMESTER				
	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
CE 106	Transportation Engineering	3	0	3	CE 105
CE 110	Building Design 2	1	3	2	CE 109
CE 115	Structural Theory II	3	3	4	CE 114
CE 116	Hydraulics Engineering	3	3	4	ES 108
CE 117	Hydrology	3	0	3	ES 108
CE 119	Structural Design I (Reinforced Concrete 1)	3	3	4	CE 114
CE 125	CE Elective 1	3	0	3	4th Year Standing
ES 116	Engineering Special Topics/Seminar	3	0	3	4th Year Standing
	TOTAL	22	12	26	

SUBJECT CODE	SUMMER				
	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
CE 200	CE PRACTICUM (Company Exposure and Reporting)		240hrs.	3	4th Year Standing

FIFTH YEAR SUBJECT CODE	FIRST SEMESTER				
	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
CE 118	Water Resources Engineering	3	0	3	CE 116
CE 112	Geotechnical Engineering II (Foundation Engineering)	3	3	4	CE 111
CE 120	Structural Design II (Reinforced Concrete 2)	3	3	4	CE 119
CE 121	Structural Design III (Steel Design)	3	3	4	CE 115

CE 123	Construction Methods and Project Management	3	3	4	5th Year Standing
CE 126	CE Elective 2	3	0	3	5th Year Standing
CE 129	Civil Engineering Project 1	1	6	3	5th Year Standing
TOTAL		19	18	25	

FIFTH YEAR SUBJECT CODE	SECOND SEMESTER				
	DESCRIPTION	LEC	LAB	UNITS	PREREQUISITE
ES 115	Entrepreneurship for Engineers	3	0	3	ES 111 & ES 112
CE 122	Structural Design IV (Timber Design)	3	0	3	CE 115
CE 130	Civil Engineering Project II	1	6	3	CE 129
CE 124	CE Laws, Codes, Contracts, Specifications & Ethics	3	0	3	5th Year Standing
CE 127	CE Elective 3	3	0	3	5th Year Standing
CE 128	CE Elective 4	3	0	3	5th Year Standing
CE 100	CE Review Program	3	0	3	5th Year Standing
TOTAL		19	18	21	