COLLEGE OF ENGINEERING & DESIGN
SILLIMAN UNIVERSITY
Dumaguete City

BACHELOR OF SCIENCE IN CIVIL ENGINEERING
EFFECTIVE SCHOOL YEAR 2009-2010

FIRST YEAR

1st Semester

Subject Code & Title	Units	Pre-requisites
Math 11 – College Algebra I	3-0-3	
Math 13 – Plane and Spherical Trigonometry	3-0-3	
Draw 11 – Engineering Drawing	0-6-2	
*BC 11 – Basic Comm. Skills: English for Academic Purpose	3-0-3	
Speech 11 – Oral Communication	3-0-3	
Rel 11 – Old Testament	3-0-3	
Fil 13 – Sining ng Pakikipagtalastasan	3-0-3	
Hist 31 – Phil. History & Gov't .w the New Cons	3	
PEP 1 – Personality Enhancement Program	(1)	
PE 11 – Physical Education I	2	
NSTP 1 – National Service Training Program I	3	
Load (Units)	**28.0**	

2nd Semester

Subject Code & Title	Units	Pre-requisites
Math 12 – College Algebra II	2-0-2	Math 11
Math 14 – Analytic Geometry and Differential Calculus	6-0-6	Math 11, Math 13
Math 16 – Solid Mensuration	2-0-2	Math 11, Math 13
*Draw 12 – Computer Aided Drafting	0-3-1	Draw 11
*BC 12 – Basic Comm. Skills: Reading to Writing Paragrahs & Essays	3-0-3	BC 11
*Phys 45 – General Physics I	3-3-4	Math 11, Math 13
Rel 22 – New Testament	3-0-3	Rel 11
PEP 2 – Personality Enhancement Program II	(1)	PEP 1
PE 12 – Physical Education II	2	PE 11
NSTP 2 – National Service Training Program II	3	NSTP 1
Load (Units)	**26.0**	

SECOND YEAR

1st Semester

Subject Code & Title	Units	Pre-requisites
Math 21 – Integral Calculus	4-0-4	Math 14, Math 16
*ES 23 – Engineering Mechanics I: Statics	2-3-3	Math 14, Phys 45
*Phys 46 – General Physics II	3-3-4	Phys 45
Chem 11 – General Chemistry I	3-6-5	-
Psych 11 – General Psychology	3-0-3	-
FA 51 - Arts and Music Appreciation	3-0-3	-
PE 21 – Physical Education III	2	PE 11
Load (Units)	**24.0**	

2nd Semester

Subject Code & Title	Units	Pre-requisites
Math 22 – Differential Equations	3-0-3	Math 21
ES 24 – Engineering Mechanics II: Dynamics	2-3-3	ES 23, Math 21
*EE 21 – Electrical Circuits I	2-3-3	Phys 46
Rel 61 – Christian Ethics	3-0-3	Rel 22
Fil 24 – Panitikang Pilipino	3-0-3	Fil 13
Pol. Sci. 11 – Taxation and Land Reform	3-0-3	-
Chem 12 - General Chemistry II	3-6-5	Chem 11
PE 22 – Physical Education IV	2	PE 11
Load (Units)	**25.0**	

THIRD YEAR

1st Semester

Subject Code & Title	Units	Pre-requisites
*CpE 22R – Computer Fundamentals & Programming	0-6-2	-
CE 31 – Surveying I	3-3-4	Math 13
ES 33* – Mechanics of Deformable Bodies	3-3-4	ES 24, Math 22
CE 33 – Theory of Determinate Structures	3-3-4	Math 21, ES 23
Math 33 – Advanced Engineering Math for CE	3-0-3	Math 22
Math 32R – Probability & Statistics	3-0-3	Math 21
CE 35 – Building Design I	1-3-2	Draw 12
Load (Units)	**22.0**	

2nd Semester

Subject Code & Title	Units	Pre-requisites
CE 32 – Surveying II	3-3-4	CE 31
CE 34 – Theory of Indeterminate Structures	3-3-4	CE 33, ES 33
CE 36 – Building Design II	1-3-2	CE 35
ESC 34 – Geology	3-0-3	Chem 11
ESC 36 – Construction Materials & Engineering	2-3-3	Phys 46, Chem 12
ES 30 – Thermodynamics	3-0-3	Phys 46, Math 21
Philo 31 – Introduction to Logic	3-0-3	-
Math 34R – Numerical Methods	3-0-3	Math 22, CpE 22
Load (Units)	**25.0**	

FOURTH YEAR

1st Semester

Subject Code & Title	Units	Pre-requisites
CE 41 – Route Curves	2-3-3	CE 32
CE 43 – Soil Mechanics I	3-3-4	ES 33, ESC 34
CE 49 – Steel Design	3-3-4	ES 33, CE 34, ESC 36
CE 45 – Concrete Fundamentals	1-3-2	ES 33, CE 34, ESC 36
ES 41CE – Fluid Mechanics	3-3-4	ES 24
Hist 41 – Rizal's Life and Works	3-0-3	-
CE 47 – Highway Engineering	3-0-3	CE 32
Load (Units)	**23.0**	

2nd Semester

Subject Code & Title	Units	Pre-requisites
CE 42 – Hydrology	3-0-3	ES 41
CE 62 – Open Channel Hydraulic	0-3-1	ES 41
CE 64 – Earthquake Engineering	3-0-3	CE 45
CE 48 – Timber Design	0-3-1	ES 33,CE 34,ESC 36
CE 44 – Soil Mechanics II	3-0-3	CE 43
CE 46 – Concrete Design	1-6-3	CE 45
Socio 63R – Current Issues & Contemporary Nat'l Dev't	3-0-3	-
*BC 26 – Technical Report Writing	3-0-3	BC 12
Load (Units)	**20.0**	

SUMMER

CE 400 - On-The-Job Training	**0–0–3**		At least 240 hours	CE 41, CE 46, CE 48, CE 49

FIFTH YEAR

1st Semester

Subject Code & Title	Units	Pre-requisites
CE 53 – Water Supply	3-0-3	CE 62, CE 42
CE 73 – Transportation Engineering	3-0-3	CE 47
CE 55 – Planning and Estimating	1-3-2	CE 49, CE 48, CE 46
CE 57 – Bldg Construction Methods & Equipment	2-0-2	CE 44, CE 46
CE 51 – Laws/Ethics/Specifications	3-0-3	CE 49, CE 48, CE 46
CE 75 – Foundation Engineering	2-3-3	CE 49, CE 48, CE 46
CE 59 – Civil Engineering Project I	0-3-1	CE 44, CE 46
CE 77 – Environmental Eng'g & Safety Eng'g.	3-0-3	CE 44, CE 46
Load (Units)	**20.0**	

2nd Semester

Subject Code & Title	Units	Pre-requisites
ES 56 – Shop Technology (Welding & Carpentry)	0-3-1	-
CE 54 – Sewage/Sewerage System	3-0-3	CE 62, CE 42
CE 56 – Pre-Stressed Concrete .	3-0-3	CE 46
CE 58 – Ports and Harbor	2-0-2	ES 41
ES 50R – Engineering Economics & Accounting	3-0-3	Math 32R
ES 40R – Engineering Management	3-0-3	CE 51
CE 60 – Civil Engineering Project II	1-3-2	CE 59
Load (Units)	**17.0**	

TOTAL CREDIT UNITS: 233

NOTE:

- * Needs to have at least a satisfactory grade of 2.0 before a student is considered to have passed the subject.
- Mathematics, CE, ES, ESC subjects need to have a satisfactory grade of 2.0.

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