

Ateneo de Davao University
 School of Engineering and Architecture
 Curriculum Effective 2019 - 2020
BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Course#	Description	Units		Prof	Pre-requisites
		Pay	Credit		
1st Year, 1st Semester					
ASF 1102	NATIONAL SERVICE TRAINING PROGRAM - CIVIC WELFARE	0.0	3.0		
ASF 1000	ARRUPE SOCIAL FORMATION 0	2.0	2.0		
ASF 1101	ARRUPE SOCIAL FORMATION 1	2.0	2.0		
GE 1105	UNDERSTANDING THE SELF	3.0	3.0		
Philo 1000	PHILOSOPHY	3.0	3.0		
GE 1107	ART APPRECIATION	3.0	3.0		
GE 1108	MATHEMATICS IN THE MODERN WORLD	3.0	3.0		
PE 1114	PATH-FIT I	2.0	2.0		
Chem 1035	CHEMISTRY FOR ENGINEERS LEC	3.0	3.0		
Chem 1036	CHEMISTRY FOR ENGINEERS LAB	3.0	1.0		
ESM 1030	ENGINEERING CALCULUS 1 (DIFFERENTIAL CALCULUS)	5.0	5.0		
ESM 1000	FUNDAMENTALS OF ENGINEERING MATHEMATICS	3.0	0.0		
		Total Number of Units			
				30.0	
1st Year, 2nd Semester					
PHYS 1262	PHYSICS FOR ENGINEERS LAB	6.0	2.0		ESM 1030
ESM 1031	ENGINEERING CALCULUS 2 (INTEGRAL CALCULUS)	5.0	5.0		ESM 1030
ESM 1032	ENGINEERING DRAWING AND PLANS	3.0	1.0		
CE 1230	CIVIL ENGINEERING ORIENTATION	2.0	2.0		
ASF 1203	NATIONAL SERVICE TRAINING PROGRAM - CIVIC WELFARE	0.0	3.0		ASF 1102
PE 1215	PATH-FIT II	2.0	2.0		PE 1114
PHYS 1261	PHYSICS FOR ENGINEERS LEC	3.0	3.0		ESM 1030
GE 1210	READINGS IN PHILIPPINE HISTORY	3.0	3.0		
GE 1211	THE CONTEMPORARY WORLD	3.0	3.0		
Theo 1000	THEOLOGY	3.0	3.0		
		Total Number of Units			
				27.0	
2nd Year, 1st Semester					
GE 1109	ETHICS	3.0	3.0		
GE 1106	PURPOSIVE COMMUNICATION	3.0	3.0		
ESM 2041	COMPUTER FUNDAMENTALS AND PROGRAMMING B	6.0	2.0		
PE 2116	PATH-FIT III	2.0	2.0		PE 1114
TECH 1001	TECHNOPRENEURSHIP 101	3.0	3.0		
CE 2131	FUNDAMENTALS OF SURVEYING LEC	3.0	3.0		ESM 1032, CE 1230
CE 2132	FUNDAMENTALS OF SURVEYING LAB	6.0	2.0		ESM 1032, CE 1230
ESM 2034	DIFFERENTIAL EQUATIONS	3.0	3.0		ESM 1031
ESM 2035	ENGINEERING DATA ANALYSIS	3.0	3.0		ESM 1030
ESM 2036	COMPUTER-AIDED DRAFTING	3.0	1.0		ESM 1032
ESM 2040	STATICS OF RIGID BODIES	3.0	3.0		ESM 1031, PHYS 1261, PHYS 1262
		Total Number of Units			
				28.0	
2nd Year, 2nd Semester					
CE 2233	CONSTRUCTION MATERIALS AND TESTING LEC	2.0	2.0		ESM 2040
CE 2234	CONSTRUCTION MATERIALS AND TESTING LAB	3.0	1.0		ESM 2040
GE 1212	SCIENCE, TECHNOLOGY AND SOCIETY	3.0	3.0		
PE 2217	PATH-FIT IV	2.0	2.0		PE 1114
CE 2235	BUILDING SYSTEMS DESIGN LEC	2.0	2.0		ESM 1032
CE 2236	BUILDING SYSTEMS DESIGN LAB	3.0	1.0		ESM 1032
CE 2237	ROUTE SURVEYING LEC	3.0	3.0		CE 2131, CE 2132
CE 2238	ROUTE SURVEYING LAB	6.0	2.0		CE 2131, CE 2132
CE 2239	GEOLOGY FOR CIVIL ENGINEERS	2.0	2.0		Chem 1035, Chem 1036

Ateneo de Davao University
 School of Engineering and Architecture
 Curriculum Effective 2019 - 2020
BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Course#	Description	Units		Prof	Pre-requisites
		Pay	Credit		
CE 2240	MECHANICS OF DEFORMABLE BODIES	4.0	4.0		ESM 2040
ESM 2042	DYNAMICS OF RIGID BODIES	2.0	2.0		ESM 2040

Total Number of Units 24.0

3rd Year, 1st Semester

CE 3141	STRUCTURAL THEORY LEC	5.0	5.0		CE 2240
CE 3142	STRUCTURAL THEORY LAB	3.0	1.0		CE 2240
CE 3143	NUMERICAL SOLUTION TO CE PROBLEMS LEC	2.0	2.0		ESM 2034
CE 3144	NUMERICAL SOLUTION TO CE PROBLEMS LAB	3.0	1.0		ESM 2034
CE 3145	HYDROLOGY	2.0	2.0		CE 2239, CE 2240
CE 3146	HIGHWAY AND RAILROAD ENGINEERING	3.0	3.0		CE 2237, CE 2238
CE 3147	METHODS OF RESEARCH FOR CE	3.0	1.0		GE 1106, TECH 1001
ESM 3043	ENGINEERING ECONOMICS	3.0	3.0		ESM 2035
ESM 3044	BASIC OCCUPATIONAL SAFETY AND HEALTH	0.0	3.0		
GE 3118	ELECTIVE 1	0.0	3.0		

Total Number of Units 24.0

3rd Year, 2nd Semester

GE 3219	ELECTIVE 2	0.0	3.0		
GE 4120	ELECTIVE 3	3.0	3.0		
CE 3248	GEOTECHNICAL ENGINEERING (SOIL MECHANICS) LEC	0.0	3.0		CE 2239, CE 2240
CE 3249	GEOTECHNICAL ENGINEERING (SOIL MECHANICS) LAB	0.0	1.0		CE 2239, CE 2240
CE 3250	CE PROJECT 1 LEC	0.0	1.0		CE 3141, CE 3143, CE 3147
CE 3251	CE PROJECT 1 LAB	0.0	1.0		CE 3141, CE 3143, CE 3147
CE 3252	CE LAW, ETHICS AND CONTRACTS	0.0	2.0		CE 2235, CE 2236
CE 3253	HYDRAULICS LEC	0.0	5.0		CE 3145
CE 3254	HYDRAULICS LAB	0.0	1.0		CE 3145
ESM 3045	ENGINEERING MANAGEMENT	2.0	2.0		ESM 3043
GE 1213	LIFE AND WORKS OF RIZAL	3.0	3.0		

Total Number of Units 25.0

3rd Year, Summer

CE 3355	ON THE JOB TRAINING- 240 HRS.	0.0	3.0		CE 3141, CE 3142, CE 3143, CE 3144, CE 3248, CE 3249, CE 3252, CE 3253, CE 3254, ESM 3044
---------	-------------------------------	-----	-----	--	-------------------------------------------------------------------------------------------

Total Number of Units 3.0

4th Year, 1st Semester

CE 4158	CE PROJECT 2 LEC	0.0	1.0		CE 3250, CE 3251
CE 4159	CE PROJECT 2 LAB	0.0	1.0		CE 3250, CE 3251
CE 4160	PROFESSIONAL COURSE - SPECIALIZED 1	0.0	3.0		CE 3355
CE 4161	PROFESSIONAL COURSE - SPECIALIZED 2	0.0	3.0		CE 3355
CE 4162	PRINCIPLES OF TRANSPORTATION ENGINEERING	0.0	3.0		CE 3146
EE 4167	ENGINEERING UTILITIES 1	0.0	3.0		CE 3143, CE 3144, PHYS 1261, PHYS 1262
CE 4163	ENGINEERING UTILITIES 2	0.0	3.0		CE 3143, CE 3144, PHYS 1261, PHYS 1262
CE 4156	PRINCIPLES OF REINFORCED/PRESTRESSED CONC. LEC	0.0	3.0		CE 3141, CE 3142
CE 4157	PRINCIPLES OF REINFORCED/PRESTRESSED CONC. LAB	0.0	1.0		CE 3141, CE 3142

Total Number of Units 21.0

4th Year, 2nd Semester

CE 4264	PRINCIPLES OF STEEL DESIGN LEC	0.0	2.0		CE 4156, CE 4157
---------	--------------------------------	-----	-----	--	------------------

Ateneo de Davao University
 School of Engineering and Architecture
 Curriculum Effective 2019 - 2020
 BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Course#	Description	Units		Prof	Pre-requisites
		Pay	Credit		
CE 4265	PRINCIPLES OF STEEL DESIGN LAB	0.0	1.0		CE 4156, CE 4157
CE 4266	PROFESSIONAL COURSE - SPECIALIZED 3	0.0	3.0		CE 4160, CE 4161
CE 4267	PROFESSIONAL COURSE - SPECIALIZED 4	0.0	3.0		CE 4160, CE 4161
CE 4268	PROFESSIONAL COURSE - SPECIALIZED 5	0.0	3.0		CE 4160, CE 4161
CE 4269	QUANTITY SURVEYING LEC	0.0	1.0		EE 4167, CE 4163
CE 4270	QUANTITY SURVEYING LAB	0.0	1.0		EE 4167, CE 4163
CE 4271	CONSTRUCTION METHODS & PROJECT MANAGEMENT	0.0	3.0		ESM 3045
ASF 4204	SENIORS' INTEGRATION PROGRAM	0.0	2.0		
Total Number of Units			<u>19.0</u>		