

ATENEO DE DAVAO UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
BACHELOR OF SCIENCE IN CIVIL ENGINEERING
Revised Curriculum 2007

First Year

First Semester			Second Semester		
Course No.	Course Description	Units	Course No.	Course Description	Units
Math 111E	College Algebra	5	Math 121E	Analytic Geometry	3
Math 112E	Plane and Spherical Trigonometry	3	Math 211E	Differential Calculus	5
Chem 12	Principles of Chemistry Lec	3	ES 123	Engineering Drawing II (CAD)	2
Chem 12L	Principles of Chemistry Lab	2	Eng 13	Grammar and Composition	3
ES 113	Engineering Drawing I (Manual)	2	Fil 2	Pagbasa at Pagsulat tungo sa Pananaliksik	3
Eng 11	Basic Communication Skills	3	Socio 11	Society and Culture w/ Family Planning	3
Fil 1	Komunikasvon sa Akademikong Filipino	3	Hum I	Introduction to Arts Appreciation	3
FYCF I	First Year Christian Formation	1	FYCF 2	First Year Christian Formation	1
PE 1	Physical Education	2	PE 2	Physical Education	2
Total Number of Units		28	Total Number of Units		24

Second Year

First Semester			Second Semester		
CE 210	Surveying I Lec	2	CE 212	Surveying II Lec	2
CE 211	Surveying I Lav	2	CE 213	Surveying II Lab	2
Math 221E	Integral Calculus	5	Math 311E	Differential Equations	3
Phys 211	University Physics I Lec	3	Phys 221	University Physics II Lec	3
Phys 212	University Physics I Lab	2	Phys 222	University Physics II Lab	2
Eng 21	Speech Arts	3	ES 312	Engineering Mechanics	5
Lit 1	Literature of the Philippines	3	Theo 111	Jesus Christ and Salvation History	3
PE 3	Physical Education	2	PE 4	Physical Education	2
NSTP 1	Civil Welfare Training Service	3	NSTP 2	National Welfare Training Service	3
Total Number of Units		25	Total Number of Units		25

Third Year

First Semester			Second Semester		
CE 310	Surveying III Lec	2	CE 320	Materials of Construction and Testing Lec	3
CE 311	Surveying III Lab	2	CE 321	Materials of Construction and Testing Lab	1
CE 312	Strength of Materials	5	CE 322	Engineering Geology	3
Math 320E	Advanced Engineering Math	3	CE 323	CE Tech Estimates	1
Math 321E	Probability and Statistics	3	CE 324	Fluid Mechanics Lec	3
EE 310	Circuits I Lec	3	CE 325	Fluid Mechanics Lec	1
EE 311	Circuits I Lab	1	ES 323	Research Methods	3
PS 211	Philippine Constitution and Government	3	Econ 111	Introduction to Econ w/ AR and Taxation	3
Eng 23	Writing Across the Discipline	3	Theo 121	Church and Sacraments	3
Total Number of Units		25	Hist 111	Philippine History	3
			Total Number of Units		24

Fourth Year

First Semester			Second Semester		
CE 410	Hydraulics Lec	3	CE 420	Hydrology	3
CE 411	Hydraulics Lab	1	CE 422	Structural Theory II	3
CE 412	Soil Mechanics Lec	3	CE 42	Matrix Structural Analysis	3
CE 413	Soil Mechanics Lab	1	CE 424	Water Supply/Resources/Irrigation	3
CE 414	Structural Theory I	3	ES 211	Computer Fundamental and Programming Lec	3
CE 415	Highway Engineering	3	ES 212	Computer Fundamental and Programming Lab	1
CE 416	Plumbing/Sewerage	3	ES 420	Engineering Economy and Accounting	3
ME 310	Thermodynamics	3	Hist 50	Life and Works of Rizal	3
Philo 103	Introduction to Philosophy with Logic and Critical Thinking	3	Philo 104	Philosophy of Human Person	3
Psych 111	General Psychology	3	Theo 131	Christian Morality and Spirituality	3
Total Number of Units		26	Total Number of Units		28

Summer

CE 509	Practicum/Industry Practice	2
Total Number of Units		2

Fifth Year

First Semester		
CE 100	Elective I	3
CE 200	Elective II	3
CE 510	Structural Design I (Timber)	3
CE 511	Structural Design II (RC)	5
CE 512	Project Study I	1
CE 513	Spec, Ethics, Laws	3
ES 511	Engineering Management	3
Philo 106	Philosophy of Religion	3
Total Number of Units		24

Second Semester		
CE 300	Elective III	3
CE 400	Elective IV	3
CE 520	Structural Design III	4
CE 522	Project Study II	2
CE 523	Construction Project Management	3
ES 512	Introduction to Environmental Engineering	3
Theo 141	Christian Commitment and Solidarity	3
Philo 107	Moral Philosophy	3
Total Number of Units		24

Electives:

1. Foundation Engineering
2. Structural Dynamics with Earthquake Engineering
3. Geotechnical Engineering
4. Water Resources
5. Transportation Engineering
6. Plastics Design
7. Pre-stressed Concrete Design

