

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

First Year

First Semester			Second Semester		
Course No.	Course Description	Units	Course No.	Course Description	Units
Chem 111	General Chemistry 1 (lecture)	3	Chem 112	General Chemistry 2 (lecture)	3
Chem 111L	General Chemistry 1 (laboratory)	2	Chem 112L	General Chemistry 2 (laboratory)	2
Eng 11	Basic Communication Skills	3	Eng 13	Grammar and Composition	3
Fil 1	Komunikasyon sa Akademikong Filipino	3	Fil 2	Pagbasa at Pagsulat Tungo sa Pananaliksik	3
Math 111	College Algebra	3	Lit 1	Literatures of the Philippines	3
Math 112	College Trigonometry	3	Math 211	Mathematical Analysis 1	3
EDP 111	Fundamentals of Computer Software and Applications	3	Theo 111	Jesus Christ and Salvation History	3
FYDP 1	First Year Development Program 1	1	FYDP 2	First Year Development Program 2	1
PE 1	Physical Education	2	PE 2	Physical Education	2
Total Number of Units		23	Total Number of Units		25

Second Year

First Semester			Second Semester		
Chem 221	Analytical Chemistry 1: Fundamentals of Analytical Chemistry (lecture)	3	Chem 222	Analytical Chemistry 2: Instrumental Methods of Chemical Analysis (lecture)	3
Chem 221L	Analytical Chemistry 1: Fundamentals of Analytical Chemistry (laboratory)	2	Chem 222L	Analytical Chemistry 2: Instrumental Methods of Chemical Analysis (laboratory)	2
Math 212	Mathematical Analysis II	3	Eng 21	Speech Arts	3
Math 213	Elementary Statistics	3	PS 211	Philippine Constitution and Government	3
Phys 211	College Physics I (lecture)	3	Phys 213	College Physics II (lecture)	3
Phys 212	College Physics I (laboratory)	2	Phys 214	College Physics II (lecture)	2
Theo 121	Church and Sacraments	3	PE 4	Physical Education	2
NSTP –	National Service Training Program	3	NSTP –	National Service Training Program	3
CWTS 1	Civil Welfare Training Service		CWTS 2	Civil Welfare Training Service	
PE 3	Physical Education	2			
Total Number of Units		26	Total Number of Units		21

Third Year

First Semester			Second Semester		
Chem 323	Analytical Chemistry 3 (lecture)	3	Chem 351	Physical Chemistry I: Chemical Thermodynamics (lecture)	3
Chem 323L	Analytical Chemistry 3 (laboratory)	2	Chem 351L	Physical Chemistry I: Chemical Thermodynamics (laboratory)	2
Chem 331	Fundamentals of Organic Chemistry 1 (lecture)	3	Chem 332	Fundamentals of Organic Chemistry 2 (lecture)	3
Chem 331L	Fundamentals of Organic Chemistry 1 (laboratory)	2	Chem 332L	Fundamentals of Organic Chemistry 2 (laboratory)	2
Eng 23 N	Writing Across the Disciplines	3	Chem 311	Fundamentals of Inorganic Chemistry	3
Hist 111	Philippine History	3	Philo 104	Philosophy of Human Person	3
Philo 103	Introduction to Philosophy with Logic and Critical Thinking	3	Hum 1	Introduction to Arts Appreciation	3
Econ 111	Introduction to Economics with Agrarian Reform and Taxation	3	Theo 131	Christian Morality and Spirituality	3
			Psych 111	General Psychology	3
Total Number of Units		22	Total Number of Units		25

Summer Required

Chem 391	Practicum	3
Total Number of Units		3

Fourth Year

First Semester

Second Semester

Course No.	Course Description	Units	Course No.	Course Description	Units
Chem 441	Fundamentals of Biochemistry (lecture)	3	Bio 321	Microbiology (lecture)	3
Chem 441L	Fundamentals of Biochemistry (laboratory)	2	Bio 322	Microbiology (laboratory)	2
Chem 452	Physical Chemistry 2: Thermodynamics (lecture)	3	Chem 461	Environmental Chemistry	3
Chem 452L	Physical Chemistry 2: Thermodynamics (laboratory)	2	Chem 453	Physical Chemistry 3: Quantum Chemistry	3
Chem 491	Thesis 1	2	Chem 492	Thesis 2	3
Hist 50	Life and Works of Rizal	3	Philo 107	Moral Philosophy	3
Philo 106	Philosophy of Religion	3	Socio 111	Society and Culture with Family Planning	3
Theo 141	Christian Commitment and Solidarity	3			
Total Number of Units		21	Total Number of Units		19

