

BACHELOR OF SCIENCE CHEMISTRY					
FIRST YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 18. University Chemistry	3	CHEM 19. Chemical Structure and Properties	3		
CHEM 18.1 University Chemistry Laboratory	2	CHEM 32. Quantitative Inorganic Analysis	3		
MCB 11. Biology and Applications of Microorganisms	3	CHEM 32.1. Quantitative Inorganic Analysis Lab	2		
MATH 27. Analytic Geometry and Calculus II	3	MATH 28. Analytic Geometry and Calculus III	3		
ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3	PHYS 71. University Physics I	4		
KAS 1/HIST 1. Kasaysayan ng Pilipinas/Philippine History	3	PHYS 71.1. University Physics I Laboratory	1		
HK 11. Wellness and Basic Injury Management	(2)	ARTS 1. Critical Perspectives in the Arts	3		
		HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
	17		19		
SECOND YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 43. Organic Chemistry I	3	CHEM 44. Organic Chemistry II	3	CHEM 161A. Biochemistry I	3
CHEM 43.1. Organic Chemistry I Laboratory	2	CHEM 44.1. Organic Chemistry II Laboratory	2		3
PHYS 72. University Physics II	4	CHEM 111. Physical Chemistry I	3		
PHYS 72.1. University Physics II Laboratory	1	STAT 162. Experimental Designs	3		
CMSC 12/AMAT 152. Foundations of Computer Science/Fundamentals	3	PI 10. The Life and Works of Jose Rizal	3		
GE Elective	3	GE Elective	3		
		HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
GE Elective	3				
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)	NSTP 2. National Training Service Program II	(3)		
NSTP 1. National Training Service Program I	(3)		17		
	19				
THIRD YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 111.1. Physical Chemistry I Laboratory	2	CHEM 112.1. Physical Chemistry II Laboratory	2	CHEM 198. Practicum	3
CHEM 112. Physical Chemistry II	3	CHEM 115. Physical Chemistry III	3		3
CHEM 137. Modern Analytical Chemistry	3	CHEM 137.1. Modern Analytical Chem Laboratory	2		
CHEM 140. Organic Analysis	4	CHEM 161.1. General Biochemistry Laboratory	2		
CHEM 161B. Biochemistry II	3	CHEM 180. Environmental Chemistry	3		
COMM 10. Critical Perspectives in Communication	3	CHEM 192. Chemical Information, Literature and	3		
	18	Elective (CHEM)	3		
			18		
FOURTH YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 120. Inorganic Chemistry	3	CHEM 120.1. Inorganic Chemistry Laboratory	2		
CHEM 131. Technical Analysis I (Foods and Feeds)	4	CHEM 171. Industrial Chemistry	3		
CHEM 200. Undergraduate Thesis	3	CHEM 199. Undergraduate Seminar	1		
Elective (NON-CHEM)	3	CHEM 200. Undergraduate Thesis	3		
STS 1. Science, Technology, and Society	3	Elective (CHEM)	3		
	16		12		

TOTAL UNITS

142

BACHELOR OF SCIENCE IN CHEMISTRY					
Redesigned curriculum for remote learning from First Semester 2020-2021 to present					
FIRST YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 18. University Chemistry	3	CHEM 19. Chemical Structure and Properties	3	CHEM 32. Quantitative Inorganic Analysis	3
ARTS 1. Critical Perspectives in the Arts	3	CHEM 18.1 University Chemistry Laboratory	2	CHEM 32.1. Quantitative Inorganic Analysis Lab	2
MCB 11. Biology and Applications of Microorganisms	3	MATH 28. Analytic Geometry and Calculus III	3		5
MATH 27. Analytic Geometry and Calculus II	3	PHYS 71. University Physics I	4		
ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3	PHYS 71.1. University Physics I Laboratory	1		
KAS 1/HIST 1. Kasaysayan ng Pilipinas/Philippine History	3	GE Elective	3		
HK 11. Wellness and Basic Injury Management	(2)	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
	18		16		
SECOND YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 43. Organic Chemistry I	3	CHEM 43.1. Organic Chemistry I Laboratory	2	CHEM 44. Organic Chemistry II	3
PHYS 72. University Physics II	4	CHEM 112. Physical Chemistry II	3	CHEM 44.1. Organic Chemistry II Laboratory	2
PHYS 72.1. University Physics II Laboratory	1	GE Elective	3		5
CMSC 12/AMAT 152. Foundations of Computer Science/Fundamentals of Computer Science	3	STAT 162. Experimental Designs	3		
CHEM 111. Physical Chemistry I	3	PI 10. The Life and Works of Jose Rizal	3		
GE Elective	3	COMM 10. Critical Perspectives in Communication	3		
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
	17	NSTP 1. National Training Service Program I	(3)		
			17		
THIRD YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 111.1. Physical Chemistry I Laboratory	2	CHEM 112.1. Physical Chemistry II Laboratory	2	CHEM 198. Practicum	3
Elective (NON-CHEM)	3	CHEM 115. Physical Chemistry III	3		3
CHEM 137. Modern Analytical Chemistry	3	CHEM 137.1. Modern Analytical Chemistry Laboratory	2		
CHEM 140. Organic Analysis	4	CHEM 161.1. General Biochemistry Laboratory	2		
CHEM 161A. Biochemistry I	3	CHEM 180. Environmental Chemistry	3		
CHEM 192. Chemical Information, Literature and Communication	3	CHEM 161B. Biochemistry II	3		
NSTP 2. National Training Service Program II	(3)		15		
	18				
FOURTH YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 120. Inorganic Chemistry	3	CHEM 120.1. Inorganic Chemistry Laboratory	2		
CHEM 131. Technical Analysis I (Foods and Feeds)	4	CHEM 171. Industrial Chemistry	3		
CHEM 200. Undergraduate Thesis	3	CHEM 199. Undergraduate Seminar	1		
Elective (NON-CHEM)	3	CHEM 200. Undergraduate Thesis	3		
STS 1. Science, Technology, and Society	3	Elective (CHEM)	3		
	16		12		

TOTAL UNITS

142