

BACHELOR OF SCIENCE IN AGRICULTURAL CHEMISTRY BOR-APPROVED					
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	MATH 28. Analytic Geometry and Calculus III	3		
MCB 11. Biology and Applications of Microorganisms	3	BIO 30. Genetics	3		
MATH 27. Analytic Geometry and Calculus II	3	AGRI 31. Fundamentals of Crop Science I	3		
ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3	ARTS 1. Critical Perspectives in the Arts	3		
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)		
	<b>17</b>		<b>18</b>		
SECOND YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 32. Quantitative Inorganic Analysis	3	CHEM 43. Organic Chemistry I	3		
CHEM 32.1. Quantitative Inorganic Analysis Laboratory	2	CHEM 43.1. Organic Chemistry I Laboratory	2		
PHYS 71. University Physics I	4	PHYS 72. University Physics II	4		
PHYS 71.1. University Physics I Laboratory	1	PHYS 72.1. University Physics II Laboratory	1		
BOT 20. Fundamentals of Plant Physiology	3	AGRI 21. Introduction to Animal Science	3		
CMSC 12/AMAT 152. Foundations of Computer Science/Fundamentals of Mathematical Computing	3	AGRI 32. Fundamentals of Crop Science II	3		
PI 10. The Life and Works of Jose Rizal	3	ECON 11. General Economics	3		
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
NSTP 1. National Training Service Program I	(3)	NSTP 2. National Training Service Program II	(3)		
	<b>19</b>		<b>19</b>		
THIRD YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 44. Organic Chemistry II	3	CHEM 111. Physical Chemistry I	3		
CHEM 44.1. Organic Chemistry II Laboratory	2	CHEM 131. Technical Analysis I (Foods and Feeds)	4		
STAT 162. Experimental Designs	3	CHEM 140. Organic Analysis	4		
AGRI 22. Introduction to Livestock and Poultry Production	3	CHEM 161A. Biochemistry I	3		
AAE 111/AAE 120. Farm Management/Agricultural Marketing I	3	AGRI 51. Principles of Soil Science	3		
AGRI 61. Innovations and Entrepreneurship in Agriculture	3	AGRI 41. Principles of Crop Protection	3		
GE Elective	3		<b>20</b>		
	<b>20</b>				
FOURTH 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		<b>3</b>
CHEM 137. Modern Analytical Chemistry	3	CHEM 137.1. Modern Analytical Chem Laboratory	2		
CHEM 161B. Biochemistry II	3	CHEM 161.1. General Biochemistry Laboratory	2		
CHEM 192. Chemical Information, Literature and Communication	3	COMM 10. Critical Perspectives in Communication	3		
AGRI 42. Pest Management	3	SPECIALIZATION	3		
SPECIALIZATION	3	SPECIALIZATION	3		
	<b>20</b>		<b>18</b>		
FIFTH YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 133. Technical Analysis II (Soils, Fertilizers, and Pesticides)	4	CHEM 180. Environmental Chemistry	3		
CHEM 120. Inorganic Chemistry	3	CHEM 185. Structure and Reactivity of Agricultural Chemicals	3		
CHEM 199. Undergraduate Seminar	1	AGRI 199. Colloquium in Agriculture	1		
AGRI 171. Ethics, Laws and Policies in Agriculture	3	ACHEM 200. Undergraduate Thesis	3		
ACHM 200. Undergraduate Thesis	3	GE Elective	3		
STS 1. Science, Technology, and Society	3	SPECIALIZATION	3		
SPECIALIZATION	3		<b>16</b>		
	<b>20</b>				

TOTAL UNITS

190

BS AGRICULTURAL 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		
ARTS 1. Critical Perspectives in the Arts	3	MATH 28. Analytic Geometry and Calculus III	3		
MCB 11. Biology and Applications of Microorganisms	3	BIO 30. Genetics	3		
MATH 27. Analytic Geometry and Calculus II	3	AGRI 31. Fundamentals of Crop Science I	3		
ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3	CHEM 18.1 University Chemistry Laboratory	2		
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)		
	<b>18</b>		<b>17</b>		
SECOND YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
ECON 11. General Economics	3	CHEM 32.1. Quantitative Inorganic Analysis Laboratory	2		
CHEM 43. Organic Chemistry I	3	CHEM 43.1. Organic Chemistry I Laboratory	2		
PHYS 71. University Physics I	4	PHYS 72. University Physics II	4		
PHYS 71.1. University Physics I Laboratory	1	PHYS 72.1. University Physics II Laboratory	1		
BOT 20. Fundamentals of Plant Physiology	3	AGRI 21. Introduction to Animal Science	3		
CMSC 12/AMAT 152. Foundations of Computer Science/Fundamentals of Mathematical Computing	3	AGRI 32. Fundamentals of Crop Science II	3		
PI 10. The Life and Works of Jose Rizal	3	CHEM 32. Quantitative Inorganic Analysis	3		
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
	<b>20</b>	NSTP 1. National Training Service Program I	(3)		
			<b>18</b>		
THIRD YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 44. Organic Chemistry II	3	CHEM 111. Physical Chemistry I	3	CHEM 161A. Biochemistry I	3
STAT 162. Experimental Designs	3	CHEM 131. Technical Analysis I (Foods and Feeds)	4		<b>3</b>
AGRI 22. Introduction to Livestock and Poultry Production	3	CHEM 44.1. Organic Chemistry II Laboratory	2		
AAE 111/AAE 120. Farm Management/Agricultural Marketing I	3	COMM 10. Critical Perspectives in Communication	3		
AGRI 61. Innovations and Entrepreneurship in Agriculture	3	AGRI 51. Principles of Soil Science	3		
GE Elective	3	AGRI 41. Principles of Crop Protection	3		
NSTP 2. National Training Service Program II	(3)		<b>18</b>		
	<b>18</b>				
FOURTH 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		<b>3</b>
CHEM 137. Modern Analytical Chemistry	3	CHEM 137.1. Modern Analytical Chem Laboratory	2		
CHEM 161B. Biochemistry II	3	CHEM 161.1. General Biochemistry Laboratory	2		
CHEM 140. Organic Analysis	4	CHEM 192. Chemical Information, Literature and Communication	3		
AGRI 42. Pest Management	3	SPECIALIZATION	3		
SPECIALIZATION	3	SPECIALIZATION	3		
	<b>21</b>		<b>18</b>		
FIFTH YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 180. Environmental Chemistry	3	CHEM 133. Technical Analysis II (Soils, Fertilizers, and Pesticides)	4		
CHEM 120. Inorganic Chemistry	3	CHEM 185. Structure and Reactivity of Agricultural Chemicals	3		
CHEM 199. Undergraduate Seminar	1	AGRI 199. Colloquium in Agriculture	1		
AGRI 171. Ethics, Laws and Policies in Agriculture	3	ACHEM 200. Undergraduate Thesis	3		
ACHM 200. Undergraduate Thesis	3	GE Elective	3		
STS 1. Science, Technology, and Society	3	SPECIALIZATION	3		
SPECIALIZATION	3		<b>17</b>		
	<b>19</b>				

TOTAL UNITS

190