

BACHELOR OF SCIENCE IN AGRICULTURAL BIOTECHNOLOGY

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
ABT 11. Introduction to Agricultural Biotechnology	1	CHEM 40. Basic Organic Chemistry	4		
CHEM 18. University Chemistry	3	CHEM 40.1. Basic Organic Chemistry Laboratory	1		
CHEM 18.1. University Chemistry Laboratory	2	AGRI 22. Introduction to Livestock and Poultry Production	3		
AGRI 21. Introduction to Animal Science	3	MATH 25. Fundamental Calculus	3		
AGRI 31. Fundamentals of Crop Science I	3	BIO 30. Genetics	3		
ARTS 1. Critical Perspectives in the Arts	3	KAS1/HIST 1. Kasaysayan ng Pilipinas/Philippine History	3		
STS 1. Science, Technology, and Society	3	ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3		
HK 11. Wellness and Basic Injury Management	(2)	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
		NSTP 1. National Service Training Program	(3)		
	18		20		

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
ABT 101. Fundamentals of Agricultural Biotechnology	3	ABT 103. Experimental Techniques in Agricultural Biotechnology I	3		
CHEM 160. Introductory Biochemistry	3	Elective Course 1	3		
AGRI 32. Fundamentals of Crop Science II	3	AGRI 51. Principles of Soil Science	3		
MCB 11. Biology and Applications of Microorganisms	3	CMSC 12. Foundations of Computer Science	3		
AGRI 41. Principles of Crop Protection	3	BIO 101. Introductory Molecular Biology	3		
Elective GE1 (Math 10). Mathematics, Culture and Society	3	AGRI 42. Pest Management	3		
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)	Elective GE 2	3		
NSTP 2. National Service Training Program	(3)	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
	18		21		

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
ABT 104. Experimental Techniques in Agricultural Biotechnology	3	ABT 106. Molecular Markers	3	ABT 198/200a. Practicum/Major Farm Practice	3
STAT 162. Experimental Designs I	3	ABT 107. Recombinant DNA Technology	3		
AGRI 61. Agricultural Extension Communication	3	ECON 11. General Economics	3		
PI 10. The Life and Works of Jose Rizal	3	AGRI 171. Ethics, Laws, and Policies in Agriculture	3		
ABME 10. Foundations of Entrepreneurship	3	Specialization Course 1	3		
COMM 10. Critical Perspectives in Communication	3				
Elective GE 3 (SAS 1). Self and Society	3				
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)				
	21		15		3

FOURTH YEAR

FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
MGT 101. Concepts and Dynamics of Management	3	ABT 108. Issues and Regulation of Agricultural Biotechnology	3		
Specialization Course 2	3	ABT 199. Undergraduate Seminar	1		
Specialization Course 3	3	AGRI 199. Colloquium in Agriculture	1		
Specialization Course 4	3	Elective Course 2	3		
ABT 200/200a. Undergraduate Thesis/Major Farm Practice	3	ABT 200/190. Undergraduate Thesis/Special Problems	3		
	15		11		

TOTAL UNITS **142**

BACHELOR OF SCIENCE IN AGRICULTURAL BIOTECHNOLOGY
Redesigned curriculum for remote learning from First Semester 2020-2021 to present

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
ABT 11. Introduction to Agricultural Biotechnology	1	AGRI 22. Introduction to Livestock and Poultry Production	3		
CHEM 18. University Chemistry	3	AGRI 32. Fundamentals of Crop Science II	3		
AGRI 21 (Lab). Introduction to Animal Science	3	AGRI 41. Principles of Crop Protection	3		
AGRI 31 (Lab). Fundamentals of Crop Science	3	CHEM 18.1. University Chemistry Laboratory	2		
ARTS 1. Critical Perspectives in the Arts	3	HIST1/KAS1. Kasaysayan ng Pilipinas/Philippine History	3		
STS 1. Science, Technology and Society	3	ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3		
		HK 11. Wellness and Basic Injury Management	(2)		
	16		17		

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
CHEM 40. Basic Organic Chemistry	4	CHEM 160. Introductory Biochemistry	3		
CHEM 40.1. Basic Organic Chemistry Laboratory	1	ABT 101. Fundamentals of Agricultural Biotechnology	3		
AGRI 42. Pest Management	3	STAT 162. Experimental Designs I	3		
MCB 11. Biology and Applications of Microorganisms	3	CMSC 12. Introduction to Computer Science	3		
Elective GE1 (Math 10). Mathematics, Culture and Society	3	MATH 25. Fundamental Calculus	3		
BIO 30. Genetics	3	AGRI 51. Principles of Soil Science	3		
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)	Elective GE 2	3		
		NSTP 1. National Service Training Program	(3)		
	17		21		

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
ABT 103. Experimental Techniques in Agricultural Biotechnology I	3	ABT 106. Molecular Markers	3	ABT 198/200a. Practicum/Major Practice	3
BIO 101. Introductory Molecular Biology	3	ABT 104. Experimental Techniques in Agricultural Biotechnology	3		
AGRI 61. Agricultural Extension Communication	3	Elective course 1	3		
PI 10. The Life and Works of Jose Rizal	3	ECON 11. General Economics	3		
ABME 10. Cultivating the Entrepreneurial Mindset	3	AGRI 171. Ethics, Laws, and Policies in Agriculture	3		
COMM 10. Critical Perspectives in Communication	3	SPECIALIZATION COURSE 1	3		
Elective GE 3 (SAS 1). Self and Society	3	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
NSTP 2. National Service Training Program	(3)				
Total	21		18		3

FOURTH YEAR

FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
MGT 101. Concepts and Dynamics of Management	3	ABT 108. Issues and Regulation of Agricultural Biotechnology	3		
ABT 107. Recombinant DNA Technology	3	ABT 199. Undergraduate Seminar	1		
SPECIALIZATION COURSE 2	3	AGRI 199. Colloquium in Agriculture	1		
SPECIALIZATION COURSE 3	3	Elective Course 2	3		
SPECIALIZATION COURSE 4	3	ABT 200/190. Undergraduate Thesis/Special Problems	3		
ABT 200/ABT 200a. Undergraduate Thesis/Major Practice	3				
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)				
	18		11		

TOTAL UNITS **142**