Engineering AGRI 31. Fundamentals of Crop Science I ENSC 10.1. Engineering Graphics Laboratory MATH 27. Analytic Geometry and Calculus II PHYS 51. Elements of Physics PHYS 51.1. Elements of Physics Laboratory KAS 1/HIST 1. Kasaysayan ng Pilipinas/Philippine History PI 10. The Life and Works of Jose Rizal  NSTP 1. National Service Training Program I HK 11. Wellness and Basic Injury Management  FIRST SEMESTER  ABE 43. Engineering Shop ABE 48. Fundamentals of Surveying ENSC 12. Dynamics of Rigid Bodies ENSC 13. Strength of Materials	3 2 3 4 1 3 (3) (2) 20 3 3 3	FIRST YEAR  SECOND SEMESTER  AGRI 21. Introduction to Animal Science  CHEM 18. University Chemistry CHEM 18.1. University Chemistry Laboratory  AGRI 32. Fundamentals of Crop Science II  ENSC 11. Statics of Rigid Bodies  MATH 28. Analytic Geometry and Calculus III  NSTP 2. National Service Training Program II  HK 12/13. Human Kinetics Activities/Advanced Human Kinetics  Activities  GE Elective  SECOND SEMESTER  ABE 52. Agricultural Structures I  ABE 53. Machine Design for Bio-production Systems I  ABE 56. Engineering Properties of Agricultural and Biological	3 3 2 3 3 (3) (2) 3 20		
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FIRST SEMESTER  ABE 43. Engineering Shop  ABE 48. Fundamentals of Surveying  ENSC 12. Dynamics of Rigid Bodies  ENSC 13. Strength of Materials	3 3	SECOND SEMESTER  ABE 52. Agricultural Structures I  ABE 53. Machine Design for Bio-production Systems I	3		
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ABE 43. Engineering Shop ABE 48. Fundamentals of Surveying ENSC 12. Dynamics of Rigid Bodies ENSC 13. Strength of Materials	3	SECOND SEMESTER  ABE 52. Agricultural Structures I  ABE 53. Machine Design for Bio-production Systems I		MIDYEAR	
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ABE 48. Fundamentals of Surveying  ENSC 12. Dynamics of Rigid Bodies  ENSC 13. Strength of Materials	3	ABE 53. Machine Design for Bio-production Systems I			i
ENSC 12. Dynamics of Rigid Bodies ENSC 13. Strength of Materials	3		_	1	
ENSC 13. Strength of Materials		ABE 56. Engineering Properties of Agricultural and Biological	4		
	•	Materials	3		
FNSC 14a Engineering Thermodynamics and Heat Transfer	3	ABE 57. Field Hydrology	3		
LIVOC 170. LIIBITICETTIIS THEITHOUYHAITHUS AHU HEAL HAIISIEL	5	ENSC 16. Fluid Mechanics	3		
AGRI 51. Principles of Soil Science	3	GE Elective	3		
UK 12/12 Human Kingtics Activities / Advanced Human	(2)	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics	(2)		
Kinetics Activities	(2)	Activities	(2)		
	20		19		
		THIRD YEAR		_	
FIRST SEMESTER		SECOND SEMESTER	_	MIDYEAR	
ABE 62. Environmental Control Engineering	3	ABE 74. Bio-production System Machinery Management and Technopreneurship	4	ABE 198. Internship	3
ABE 63. Agricultural and Biosystems Power Engineering	4	ABE 79. Agricultural Engineering Law	1		
ABE 65. Quantitative Approaches in Agricultural and Biosystems Engineering	3	ABE 77. Soil and Water Conservation Engineering	3		
	3	COMM 10. Critical Perspectives in Communication	3		
	3	STAT 101. Statistical Methods	3		
FPPS 183. Engineering Economic Analysis	3	Elective	3		
		Specialization Course	3		
	19		20		3
		FOURTH YEAR			
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
ABE 80. Computer-Aided Solutions in Agricultural and	3	ABE 83. Electrical System Design for Agricultural and Biosystems	3		
Biosystems Engineering		Structures			
		ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3		
		ARTS 1. Critical Perspectives in the Arts	3		
ENG 10. Writing of Scientific Papers		STS 1. Science, Technology, and Society	3		
	3	Specialization Course	3		
	3	ABE 199. Undergraduate Seminar	1		
ABE 200/200b/200c. Undergraduate Thesis /Innovationeering/Engineering Industry Research	3	ABE 200/200b/200c. Undergraduate Thesis/Innovationeering/ Engineering Industry Research	3		
	21		19		

TOTAL UNITS

BACHELOR OF SCIENCE IN AGRICULTURAL AND BIOSYSTEMS ENGINEERING Redesigned curriculum for remote learning from First Semester 2020-2021 to present										
FIDCT CENTECTED		FIRST YEAR		AAIDVEAD						
FIRST SEMESTER	T	SECOND SEMESTER	1	MIDYEAR						
ABE 30. Introduction to Agricultural and Biosystems	1	AGRI 21. Introduction to Animal Science	3							
Engineering	-	CLIENA 40. Linius anaitus Channaistans	1							
AGRI 31. Fundamentals of Crop Science	3	CHEM 18. University Chemistry	3							
ENSC 10.1. Engineering Graphics Laboratory	2	CHEM 18.1. University Chemistry Laboratory	2							
MATH 27. Analytical Geometry and Calculus II PHYS 51. Elements of Physics	3	AGRI 32. Fundamentals of Crop Science II	3							
PHYS 51.1. Elements of Physics Laboratory	4	ENSC 11. Static of Rigid Bodies	3							
	3	MATH 28. Analytical Geometry and Calculus III  NSTP 2. National Service Training Program	(3)							
KAS 1. Kasaysayan ng Pilipinas		HK 12/13. Human Kinetics Activities/Advanced Human Kinetics	(3)							
PI 10. Life and Works of Rizal	3	Activities	(2)							
NSTP 1. National Service Training Program	(2)	GE. Elective	3							
HK 11. Wellness and Basic Injury Management	(2)	GL. LIECTIVE	-							
TIK 11. Welliness and basic injury Wanagement	20		20							
SECOND YEAR										
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR						
ABE 43. Engineering Shop	3		3	IVII DI LI III						
ABE 48. Fundamentals of Surveying		ABE 53. Machine Design for Bio-production Systems	4							
, ,		ABE 56. Engineering Properties and Agricultural and Biological								
ENSC 12. Dynamics of Rigid Bodies	3	Materials	3							
ENSC 13. Strength of Materials	3	ABE 57. Field Hydrology	3							
ENSC 14a. Thermodynamics and Heat Transfer	5	ENSC 16. Fluid Mechanics	3							
AGRI 51. Principles of Soil Science		GE. Elective	3							
HK 12/13. Human Kinetics Activities/Advanced Human		UK 12/12 Human Kingties Activities/Advanced Human Kingties								
Kinetics Activities	(2)	Activities	(2)							
	20		19							
		THIRD YEAR								
FIRST SEMESTER SECOND SEMESTER MIDYEAR										
APE 62 Environmental Control Engineering	3	ABE 74. Bioproduction Systems Machinery Management and	4	ABE 198	3					
ABE 62. Environmental Control Engineering	3	Technopreneurship	4	ADE 190	3					
ABE 63. Agricultural and Biosystems Power Engineering	4	ABE 79. ABE Laws, Specifications and Contracts	1							
ABE 65. Quantitative Approaches in Agricultural and	3	ABE 77. Soil and Water Conservation Engineering	3							
Biosystems Engineering	3	ABL 77. 3011 and Water Conservation Engineering	3							
ABE 66. Agricultural Processing I	3	COMM 10. Critical Perspectives in Communications	3							
ABE 67. Irrigation and Drainage Engineering	3	STAT 101. Statistical Method	3							
FPPS 183. Engineering Economic Analysis	3	*** Elective	3							
		**** Specialization Course	3							
	19		20		3					
		FOURTH YEAR								
FIRST SEMESTER	<u> </u>	SECOND SEMESTER	Т	MIDYEAR						
ABE 80. Computer-Aided Solutions in Agricultural and	3	ABE 83. Electrical System Design for Agricultural Biosystems	3							
Biosystems Engineering		Structures								
ABE 88. Agricultural and Biosystems Power Engineering	3	ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3							
GE. Elective	3	ARTS 1. Critical Perspective in the Arts	3							
ENG 10. Writing of Scientific Papers	3	STS 1. Science, Technology and Society	3							
*** Elective	3	**** Specialization Course	3							
**** Specialization Course	3	ABE 199. Undergraduate Seminar	1							
ABE 200. Undergraduate Thesis		ABE 200. Undergraduate Thesis								
/ABE 200b. /Innovationeering	_	/ABE 200b. /Innovationeering								
/ABE 200c. /Engineering Industry Research	3	/ABE 200c. /Engineering Industry Research	3							

TOTAL UNITS