



**COLLEGE OF AGRICULTURE**

**CURRICULUM**

Course: **Bachelor of Science in Agriculture**  
 Major: **Crop Science (Plant Breeding Option)**  
 Revised (MM/YYYY): **MAY 2020 (2019 CURRICULUM)**  
 Approved BOR No.: **148,s. 2020**

**FIRST YEAR**

*First Semester*

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 12	Readings in Philippine History	3.0	0.0	3.0	None
GEC 13	The Contemporary World	3.0	0.0	3.0	None
GEE 15	Gender and Society	3.0	0.0	3.0	None
CHY 30*	College Chemistry	2.0	0.0	2.0	None
CHY 30.1*	College Chemistry Laboratory	0.0	3.0	1.0	None
AGRIC 41	Introduction to Agriculture	1.0	0.0	1.0	None
CPRT 41	Principles of Crop Protection	2.0	3.0	3.0	None
CPSCI 41	Principles of Crop Production	2.0	3.0	3.0	None
PE 31	Movement Enhancement	2.0	0.0	2.0	None
NSTP 1	National Service Training Program I	3.0	0.0	3.0	None
<b>TOTAL</b>		<b>21.0</b>	<b>9.0</b>	<b>24.0</b>	

\* For non-STEM completers

*Second Semester*

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 11	Understanding the Self	3.0	0.0	3.0	None
GEC 14	Mathematics in the Modern World	3.0	0.0	3.0	None
GEC 15	Purposive Communication	3.0	0.0	3.0	None
CHY 32	Organic Chemistry	2.0	0.0	2.0	CHY 30 & CHY 30.1
CHY 32.1	Organic Chemistry Laboratory	0.0	3.0	1.0	CHY 30 & CHY 30.1
ANSCI 42	Introduction to Animal Science	2.0	3.0	3.0	AGRIC 41
CPRT 42	Approaches and Practices in Pest Management	2.0	3.0	3.0	CPRT 41
SOILS 42	Principles of Soil Science	2.0	3.0	3.0	CHY for Non-STEM Completers, AGRIC 41
PE 32	Fitness Exercises	2.0	0.0	2.0	PE 31
NSTP 2	National Service Training Program II	3.0	0.0	3.0	NSTP 1
<b>TOTAL</b>		<b>22.0</b>	<b>12.0</b>	<b>26.0</b>	

**MIDYEAR**

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
AGRIC 98	Practicum (Skills Development in Animal Science/Crop Protection/Crop Science)	240 HOURS		6.0	AGRIC 41, GEC 11, GEC 14, GEC 15, ANSCI 42/CPRT 42/CPSCI 41

**SECOND YEAR**

*First Semester*

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 16	Art Appreciation	3.0	0.0	3.0	None
BIO 31	Introduction to Genetics	2.0	3.0	3.0	None
CHY 47	Biochemistry	3.0	0.0	3.0	CHY 32, CHY 32.1
AGECN 41	Principles of Agricultural Entrepreneurship and Enterprise Development	3.0	0.0	3.0	None
AGRIC 43	Introduction to Organic Agriculture	3.0	0.0	3.0	AGRIC 41
ANSCI 43	Introduction to Livestock and Poultry Production	2.0	3.0	3.0	ANSCI 42
CPSCI 43	Practices of Crop Production	2.0	3.0	3.0	CPSCI 41
SOILS 43	Soil Fertility, Conservation and Management	2.0	3.0	3.0	SOILS 42
PE 33	Physical Activities Towards Health & Fitness I	2.0	0.0	2.0	PE 31
<b>TOTAL</b>		<b>22.0</b>	<b>12.0</b>	<b>26.0</b>	

*Second Semester*

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 17	Science, Technology and Society	3.0	0.0	3.0	None
GEE 13	Living in the IT Era	3.0	0.0	3.0	None
ABE 30	Basic Farm Machineries and Mechanization	2.0	3.0	3.0	None
AGECN 42	Introduction to Agricultural Commodity Systems	3.0	0.0	3.0	AGECN 41
AGRIC 44	Statistics Applied to Agriculture	2.0	3.0	3.0	GEC 14
AGEXT 42	Principles of Agricultural Extension and Communication	3.0	0.0	3.0	AGRIC 41
ENS 43	Natural Resource and Environmental Management	3.0	0.0	3.0	None
PE 34	Physical Activities Towards Health & Fitness II	2.0	0.0	2.0	PE 31
<b>TOTAL</b>		<b>21.0</b>	<b>6.0</b>	<b>23.0</b>	

**CERTIFICATE IN AGRICULTURAL SCIENCE (CAS)**

All Students who satisfactorily completed the first (two) years shall be awarded the Certificate of Agricultural Science (CAS)

**THIRD YEAR**

*First Semester*

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 18	Ethics	3.0	0.0	3.0	None
GEC 19	The Life, Works and Writings of Jose Rizal	3.0	0.0	3.0	None
AGRIC 45	Basic Biotechnology	3.0	0.0	3.0	BIO 31
CPRT 43	Beneficial Arthropods and Microorganisms	2.0	3.0	3.0	CPRT 42
AGRIC 95	Methods of Agricultural Research	2.0	3.0	3.0	AGRIC 44
Major Course 1				3.0	
Major Course 2				3.0	
Major Course 3				3.0	
<b>TOTAL</b>				<b>24.0</b>	

*Second Semester*

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEE 19	Philippine Popular Culture	3.0	0.0	3.0	None
ANSCI 44	Slaughter of Animals and Animal Product Processing	2.0	3.0	3.0	ANSCI 42
CPRT 44	General Physiology and Toxicology	2.0	3.0	3.0	CPRT 42
CPSCI 44	Postharvest Handling and Seed Technology	2.0	3.0	3.0	CPSCI 43
CPSCI 99A	Seminar A in Crop Science (Plant Breeding Option)	1.0	0.0	1.0	Passed at least 6 units of major courses
Major Course 4				3.0	
Major Course 5				3.0	
Major Course 6				3.0	
CPSCI 100.1**	Undergraduate Thesis/Practicum/Major Farm Practice in Crop Science (Plant Breeding Option) (Outline/Proposal)	0.0	2.0	2.0	AGRIC 95
<b>TOTAL</b>				<b>24.0</b>	

**FOURTH YEAR**

*First Semester*

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
ABE 31	Introduction to Water Management and Irrigation	2.0	3.0	3.0	None
AGECN 45	Introduction to Agricultural Policy and Development	3.0	0.0	3.0	None
AGEXT 43	Management of Extension Programs	3.0	0.0	3.0	AGEXT 42
AGRIC 97	Competency Enhancement	6.0	0.0	6.0	Certificate of Agricultural Science
CPSCI 99B	Seminar B in Crop Science (Plant Breeding Option)	1.0	0.0	1.0	CPSCI 99A
CPSCI 99C	Seminar C (Colloquium) in Crop Science (Plant Breeding Option)	1.0	0.0	1.0	CPSCI 99A
Major Course 7				3.0	
Major Course 8				3.0	
CPSCI 100.2**	Undergraduate Thesis/Practicum/Major Farm Practice in Crop Science (Plant Breeding Option) (Experimental/Conduct)	0.0	2.0	2.0	CPSCI 100.1
<b>TOTAL</b>				<b>25.0</b>	

*Second Semester*

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
CPSCI 98	Apprenticeship/On-the-Job-Training (240 hrs.)	0.0	6.0	6.0	Passed all courses
CPSCI 100.3**	Undergraduate Thesis/Practicum/Major Farm Practice in Crop Science (Plant Breeding Option) (Manuscript and Defense)	0.0	2.0	2.0	CPSCI 100.2
<b>TOTAL</b>		<b>0.0</b>	<b>8.0</b>	<b>8.0</b>	

**List of Major Courses:**

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
AGRON 51	Rice, Corn and Minor Cereals	2.0	3.0	3.0	CPSCI 43
AGRON 52	Legumes and Root Crops	2.0	3.0	3.0	CPSCI 43
AGRON 53	Crop Physiology	2.0	3.0	3.0	CPSCI 43, CHY 47
AGRON 55	Principles of Plant Breeding	2.0	3.0	3.0	CPSCI 43, BIO 31
PBRDG 54	Crop Genetics	2.0	3.0	3.0	BIO 31
PBRDG 56	Methods in Plant Breeding	2.0	3.0	3.0	AGRIC 44, AGRON 55
PBRDG 57	PGR Conservation and Management	2.0	3.0	3.0	PBRDG 54
PBRDG 59	Population Genetics and Quantitative Breeding	2.0	3.0	3.0	PBRDG 56

\*\*may be offered every semester including midyear

**Summary of Units**

General Education Courses	36.0
Core Courses	100.0
Major Courses	24.0
Undergraduate Thesis/Practicum/Major Farm Practice	6.0
Apprenticeship/On-the-Job-Training	6.0
NSTP/PE	14.0
<b>TOTAL</b>	<b>183/186*</b>

Prepared by:

Certified by:

Approved by: