



**COLLEGE OF AGRICULTURE**

**PROSPECTUS**

<b>Department</b>	<b>Agromony and Plant Breeding</b>
<b>Course</b>	<b>Bachelor of Science in Agriculture</b>
<b>Major</b>	<b>Crop Science (Plant Breeding Option)</b>

<b>Revised (MM/YYYY)</b>	<b>August 2023</b>
<b>Approved BOR No.</b>	<b>107, s. 2023</b>

FIRST YEAR 1ST SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
GEC 12	Readings in Philippine History	3.0	0.0	3.0	None
GEC 15	Purposive Communication	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
AGRI 41	Introduction to Agriculture	3.0	0.0	3.0	None
CPRT 41	Principles of Crop Protection	2.0	3.0	3.0	None
CSCI 41	Principles of Crop Production	2.0	3.0	3.0	None
PE 31	Physical Activities Towards Health and Fitness 1 (PATHFIT 1): Movement Competency	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>20.0</b>	<b>9.0</b>	<b>23.0</b>	

FIRST YEAR 2ND SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	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
GEE 16	The Entrepreneurial Mind	3.0	0.0	3.0	None
ANSC 42	Introduction to Animal Science	2.0	3.0	3.0	None
CPRT 42	Approaches and Practices in Pest Management	2.0	3.0	3.0	AGRI 41, CPRT 41
SOIL 42	Principles of Soil Science	2.0	3.0	3.0	CHY30* & CHY30.1* for Non-STEM Completers
PE 32	Physical Activities Towards Health and Fitness 2 (PATHFIT 2): Exercise-based Fitness Activities	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>20.0</b>	<b>9.0</b>	<b>23.0</b>	

FIRST YEAR MIDYEAR					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
AGRI 42	Practicum (Skills Development in Animal Science/Crop Protection/Crop Science)	240 HOURS		3.0	AGRI 41, GEC 11, GEC 14, GEC 15, ANSC 42/CPRT 42/CSCI 41

SECOND YEAR 1ST SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
GEE 13	Living in the IT Era	3.0	0.0	3.0	None
GEE 15	Gender and Society	3.0	0.0	3.0	None
AGRI 43	Introduction to Organic Agriculture	3.0	0.0	3.0	AGRI 41
BIO 31	Principles of Genetics	2.0	3.0	3.0	None
ANSC 43	Introduction to Livestock and Poultry Production	2.0	3.0	3.0	ANSC 42
ECON 41	Principles of Agricultural Entrepreneurship and Enterprise Development	3.0	0.0	3.0	GEE 16
SOIL 43	Soil Fertility, Conservation and Management	2.0	3.0	3.0	SOIL 42
PE 33	Physical Activities Towards Health and Fitness 3 (PATH-Fit 3): Any of the Menu of Courses on Dance, Sports, Martial Arts, Group Exercises, and Outdoor and Adventure Activities	2.0	0.0	2.0	PE 31, PE 32
<b>TOTAL</b>		<b>20.0</b>	<b>9.0</b>	<b>23.0</b>	

SECOND YEAR 2ND SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
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*
GEC 17	Science, Technology and Society	3.0	0.0	3.0	None
ABE 32	Basic Farm Machineries, Mechanization and Water Management	2.0	3.0	3.0	None
AGEX 42	Principles of Agricultural Extension and Communication	3.0	0.0	3.0	None
CSCI 42	Practices of Crop Science and Management	2.0	3.0	3.0	CSCI 41
ECON 42	Introduction to Agricultural Commodity Systems	3.0	0.0	3.0	GEE 16, ECON 41
ENS 43	Natural Resource and Environmental Management	3.0	0.0	3.0	CSCI 41, ANSC 42, SOIL 42
PE 34	Physical Activities Towards Health and Fitness 4 (PATH-Fit 4): Any of the Menu of Courses on Dance, Sports, Martial Arts, Group Exercises, and Outdoor and Adventure Activities	2.0	0.0	2.0	PE 31, PE 32
<b>TOTAL</b>		<b>20.0</b>	<b>9.0</b>	<b>23.0</b>	

**CERTIFICATE OF AGRICULTURAL SCIENCE (CAS)**

All students who satisfactorily completed the first two (2) years shall be awarded the Certificate of Agricultural Science (CAS)

THIRD YEAR 1ST SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
CHY 37	General Biochemistry	3.0	0.0	3.0	CHY 32, CHY 32.1
GEC 18	Ethics	3.0	0.0	3.0	None
GEC 19	The Life and Works of Jose Rizal	3.0	0.0	3.0	None
AGRI 47	Agricultural Biotechnology	2.0	3.0	3.0	BIO 31
CPRT 43	Beneficial Arthropods and Microorganisms	3.0	0.0	3.0	CPRT 42
AGRI 95	Methods of Agricultural Research	3.0	0.0	3.0	None
Major Course 1		2.0	3.0	3.0	
PBRG 51	Principles of Plant Breeding	2.0	3.0	3.0	CSCI 42, BIO 31
<b>TOTAL</b>		<b>21.0</b>	<b>9.0</b>	<b>24.0</b>	

THIRD YEAR 2ND SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
AGEX 44	Management of Extension Programs	3.0	0.0	3.0	AGEX 42
ANSC 44	Slaughter of Animals and Animal Product Processing	2.0	3.0	3.0	ANSC 42
CPRT 44	General Physiology and Toxicology	2.0	3.0	3.0	CPRT 42
CSCI 44	Postharvest Handling and Seed Technology	2.0	3.0	3.0	CSCI 42
ECON 46	Introduction to Agricultural Policy and Development	3.0	0.0	3.0	GEC 17
CSCI 99A	Seminar A in Crop Science (Plant Breeding Option)	1.0	0.0	1.0	Passed at least 6 units of major courses
AGRN 52	Crop Physiology	2.0	3.0	3.0	CSCI 42, CHY 37
PBRG 52	Methods in Plant Breeding	2.0	3.0	3.0	PBRG 51
CSCI 100.1**	Undergraduate Thesis/Major Farm Practice in Crop Science (Plant Breeding Option) (Outline/Proposal)	2.0	0.0	2.0	AGRI 95
<b>TOTAL</b>		<b>19.0</b>	<b>15.0</b>	<b>24.0</b>	

FOURTH YEAR 1ST SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
GEC 13	The Contemporary World	3.0	0.0	3.0	None
GEC 16	Art Appreciation	3.0	0.0	3.0	None
AGRI 97	Competency Enhancement	6.0	0.0	6.0	Certificate of Agricultural Science
CSCI 99B	Seminar B in Crop Science (Plant Breeding Option)	1.0	0.0	1.0	CSCI 99A
PBRG 57	Advance Genetics & PGR Conservation and Management	2.0	3.0	3.0	PBRG 51, PBRG 52
CSCI 100.2**	Undergraduate Thesis/Major Farm Practice in Crop Science (Plant Breeding Option) (Experimental/Conduct)	0.0	2.0	2.0	CSCI 100.1
<b>TOTAL</b>		<b>15.0</b>	<b>5.0</b>	<b>18.0</b>	

FOURTH YEAR 2ND SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
CSCI 98***	Apprenticeship/On-the-Job-Training (Industry Exposure)	240 HOURS		3.0	Passed all courses except CSCI 100.3
CSCI 100.3**	Undergraduate Thesis/Major Farm Practice in Crop Science (Plant Breeding Option) (Manuscript and Defense)	2.0	0.0	2.0	CSCI 100.2
<b>TOTAL</b>		<b>2.0</b>	<b>0.0</b>	<b>5.0</b>	

ELECTIVES					
Bachelor of Science in Agriculture major in Crop Science (Plant Breeding Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
AGRN 51***	Rice, Corn and Minor Cereals	2.0	3.0	3.0	CSCI 42
AGRN 53***	Legumes and Root Crops	2.0	3.0	3.0	CSCI 42

\*\*\*major elective (choose one)

Summary of Units		
General Education Courses		36.0
Core Courses		74.0 / 77.0*
Major Courses		27.0
Prescribed	12 units	
Specialized	15 units	
Practicum for Skills Development for CAS		3.0
Undergraduate Thesis/Major Farm Practice		6.0
Apprenticeship/On-the-Job-Training		3.0
Physical Education (PE)		8.0
National Service Training Program (NSTP)		6.0
<b>TOTAL</b>		<b>163/166*</b>

\* For non-STEM completers

\*\* offered every term

\*\*\* offered 1st and 2nd semester

Prepared by:

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