



COLLEGE OF AGRICULTURE

PROSPECTUS

Department	Horticulture
Course	Bachelor of Science in Agriculture
Major	Crop Science (Horticulture Option)

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

FIRST YEAR 1ST SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Horticulture 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 Training	2.0	0.0	2.0	None
NSTP 1	National Service Training Program I	3.0	0.0	3.0	None
TOTAL		20.0	9.0	23.0	

FIRST YEAR 2ND SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Horticulture 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
TOTAL		20.0	9.0	23.0	

FIRST YEAR MIDYEAR					
Bachelor of Science in Agriculture major in Crop Science (Horticulture 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 (Horticulture 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
TOTAL		20.0	9.0	23.0	

SECOND YEAR 2ND SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Horticulture 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
TOTAL		20.0	9.0	23.0	

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 (Horticulture 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
HORT 51	Vegetable Production	2.0	3.0	3.0	CSCI 41
HORT 53	Fruit Crops Production	2.0	3.0	3.0	CSCI 41
TOTAL		21.0	9.0	24.0	

THIRD YEAR 2ND SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Horticulture 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 (Horticulture Option)	1.0	0.0	1.0	Passed at least 6 units of major courses
HORT 52	Floriculture and Landscaping	2.0	3.0	3.0	CSCI 41
Major Elective 1		2.0	3.0	3.0	
CSCI 100.1**	Undergraduate Thesis/Major Farm Practice in Crop Science (Horticulture Option) (Outline/Proposal)	2.0	0.0	2.0	AGRI 95
TOTAL		19.0	15.0	24.0	

FOURTH YEAR 1ST SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Horticulture 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 (Horticulture Option)	1.0	0.0	1.0	CSCI 99A
Major Elective 2		2.0	3.0	3.0	
CSCI 100.2**	Undergraduate Thesis/Major Farm Practice in Crop Science (Horticulture Option) (Experimental/Conduct)	0.0	2.0	2.0	CSCI 100.1
TOTAL		15.0	5.0	18.0	

FOURTH YEAR 2ND SEMESTER					
Bachelor of Science in Agriculture major in Crop Science (Horticulture 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 (Horticulture Option) (Manuscript and Defense)	2.0	0.0	2.0	CSCI 100.2
TOTAL		2.0	0.0	5.0	

ELECTIVES					
Bachelor of Science in Agriculture major in Crop Science (Horticulture Option)					
NO.	DESCRIPTIVE TITLE	NO. OF HOURS		Unit/s	Pre-requisite/s
		Lec	Lab		
Major Electives					
HORT 54	Crop Growth and Culture	2.0	3.0	3.0	CSCI 41
HORT 55	Micropropagation	2.0	3.0	3.0	CSCI 41
HORT 56	Specialized Production Practices in Horticulture	2.0	3.0	3.0	HORT 51, HORT 53
HORT 57	Multiple Cropping System	2.0	3.0	3.0	HORT 51, HORT 53

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
TOTAL	163/166*

* For non-STEM completers
** offered every term
*** offered 1st and 2nd semester

Prepared by:

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