

BACHELOR OF SCIENCE IN AGRICULTURE

Major in Horticulture

Revised Ladderized Curriculum to Conform with (CMO No. 14, Series of)

Approved BOT Resolution No. _____

Effectivity: _____

FIRST YEAR

First semester

Grades	Course Number	Descriptive Title	No. of units		No. of hours/wk		Pre-requisite
			CHED	HEIS	Lec	Lab	
	Agric 1	Introduction to Agriculture	1		1	0	
	GE 1	Understanding the Self	3		3	0	
	GE 2	Readings in Philippine History	3		3	0	
	GE 3	The Contemporary World	3		3	0	
	Soil Sci 1	Principles of Soil Science	3		2	3	
	Crop Prot 1	Principles of Crop Protection	3		2	3	
	Org Chem 1	Organic Chemistry	3		2	3	
	Ag Bio 1	Agricultural Biology	3	3	2	3	
	PE 1	Physical Fitness	2				
	NSTP 1	National Service Training Program	3				
Total Units			24	3	21	6	

Second Semester

Grades	Course Number	Descriptive Title	No. of units		No. of hours/wk		Pre-requisite
			CHED	HEIS	Lec	Lab	
	Crop Sci 1	Principles of Crop Science	3		2	3	Ag. Bio 1
	GE 4	Mathematics in the Modern World	3		3	0	None
	An Sci 1	Introduction to Animal Science	3		2	3	Ag. Bio 1
	Crop Prot 2	Approaches and Practices in Pest Management	3		2	3	Crop Prot 1
	GE5	Purposive Communication	3		3	3	None
	Soil Sci 2	Soil Fertility Conservation and Management	3		2	0	Soil Sci 1
	Ag Stat 1	Agricultural Statistics	3	3	3		None
	Elective 1	General Econ w/ Land Reform & Taxation	3	3	3		None
	PE 2	Rhythmic Activities	2				PE1
	NSTP2	National Service Training Program	-3				NSTP 1
Total Units			26	6	18	15	

SUMMER

	Practicum 1	(Skills Development)(Equivalent to 240 hours) In Campus		6			First year standing
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SECOND YEAR

First Semester

Grades	Course Number	Descriptive Title	No. of units		No. of hours/wk		Pre-requisite
			CHED	HEIS	Lec	Lab	
	GE 6	Art Appreciation	3		3	0	None
	An Sci 2	Introduction to Livestock and Poultry Production	3		2	3	An Sci 1
	Genetics 1	Principles of Genetics	3		2	3	Ag Bio 1
	Crop Sci 2	Practices of Crop Production	3		2	3	Crop Sci 1
	Research 1	Methods of Agricultural Research	3	3	2	3	Ag Stat 1
	Elective 2	People and the Earth Ecosystem	3		0	0	None
	Agric 2	Introduction to Organic Agriculture	3		3	0	Agric 1
	PE 3	Individual and Dual Sports	2				PE 1
Total Units			23	3	22	12	

Second Semester

Grades	Course Number	Descriptive Title	No. of units		No. of hours/wk		Pre-requisite
			CHED	HEIS	Lec	Lab	
	GE 7	Science, Technology and Society	3		3	0	None
	Bio Chem	General Biochemistry	3		3	0	Org Chem 1
	Elective 3	Philippine Indigenous Communities	3		3	0	None
	Ag Extension 1	Principles of Agricultural Extension and Communication	3		3	0	None
	Ag Mechanics 1	Basic Farm Machineries and Mechanization	3		2	3	GE 4
	Envi Sci 1	Natural Resource and Environmental Management	3		3	0	None
	Ag Econ 1	Principles of Agricultural Entrepreneurship and Marketing	3		3		GE 4
	PE 4	Team Sports	2				PE 1
Total Units			23	0	20	3	

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

THIRD YEAR

First Semester

Grades	Course Number	Descriptive Title	No. of units		No. of hours/wk		Pre-requisite
			CHED	HEIS	Lec	Lab	
	GE 8	Ethics	3		3	0	None
	Ag Econ 2	Introduction to Agricultural Commodity and Enterprise Development	3		3	0	Elective 1
	Crop Prot 3	General Physiology and Toxicology	3		2	3	Crop Prot 1
	Horti 4	Plant Physiology	3	3	2	3	Crop Sci 1
	Horti 5	Plant Tissue Culture	3	3	2	3	Crop Sci 1
	Seminar 1	Seminar A	1		1	0	None
	Thesis 1	Outline	2		2	0	Ag Stat & Research 1
	Agric 3	Basic Biotechnology	3		2	3	Agric 2
Total Units			21	6	17	12	

Second Semester

Grades	Course Number	Descriptive Title	No. of units		No. of hours/wk		Pre-requisite
			CHED	HEIS	Lec	Lab	
	An Sci 3	Slaughter of Animals and Animal Products Processing	3		2	3	An Sci 2
	Seminar B	Seminar 2	1		1	0	None
	Thesis 2	Experimental & Scientific Research	2		0	2	Thesis 1
	Ag Econ 3	Introduction to Agricultural Policy and Development	3		3	0	Elective 1
	Horti 6	Principles & Practices of Plant Breeding, Propagation & Nursery Management	3	3	2	3	Crop Sci 1 & Horti 4
	Horti 7	Floriculture and Landscape Gardening	3	3	2	3	Crop Sci 1
	Ag Mech 3	Introduction to Water Management and Irrigation	3		2	3	Ag Mech 1
	Colloquium 1	Colloquium	1				None
	Competency 1	Competency Enhancement (Crop Sci, Soil Sci, Crop Prot, An Sci, Ag Econ & Mrktng, Ag Extn)		3			
Total Units			19	9	12	14	

FOURTH YEAR

First Semester

Grades	Course Number	Descriptive Title	No. of units		No. of hours/wk		Pre-requisite
			CHED	HEIS	Lec	Lab	
	Horti 8	(Vegetable Crop Production and Management)		3	2	3	Crop Sci 1 & Horti 4
	Horti 9	High Valued Fruit Crop Production and Management		3	2	3	Crop Sci 1 & Horti 4
	Horti 10	Plantation Crop Production and Management		3	2	3	Crop Sci 1 & Horti 4
	Horti 11	Post Harvest Physiology of Perishable Crops		3	2	3	Crop Sci 1 & Horti 4
	Crop Prot 6	Beneficial Arthropods and Micro-Organism	3		3	0	Crop Prot 3
	Crop Sci 3	Post Harvest Handling and Seed Technology	3		2	3	Crop Sci 2
	Rizal 1	Life and Works of Rizal	3		3	0	None
	Competency 2	Competency Enhancement (Crop Sci, Soil Sci, Crop Prot, An Sci, Ag Econ & Mrktng, Ag Extn)		3			
Total Units			9	15	16	15	

Second Semester

Grades	Course Number	Descriptive Title	No. of units		No. of hours/wk		Pre-requisite
			CHED	HEIS	Lec	Lab	
	Practicum 2	OJT for all (240 hours)	6		0	0	Practicum
	Thesis 3	Manuscript and Defense	2		2	0	Thesis 2
Total Units			8	42	2	0	

174

Sum Total of units of the Curriculum

Number of Units

General Education	39
Core Courses	85
Major Courses	24
Thesis or Practicum/Field Practice	12
OJT	6
NSTP/PE	8
TOTAL NUMBER OF UNITS	174