



## PROGRAM DESCRIPTION

Bachelor of Science in Agriculture (BSA) is a program designed for teachers, researchers, extension workers, agricultural technicians and office workers who wish to gain knowledge and skills in agriculture.

**Goal:** To prepare horticulturists equipped with knowledge, skills, and values to serve the needs of the region for countryside development.



## OBJECTIVES

### General Objective

- To produce graduates who are equipped with concepts, techniques, and scientific attitudes for horticultural endeavors.

### Specific Objectives

- To provide the graduates with adequate knowledge and skills on the cultural and post harvest practices of horticultural crops.
- To generate and disseminate scientific information on horticultural crop production.
- To engage in horticultural crop production.

## BSA (LADDERIZED CURRICULUM)

Major: Horticulture-Implemented SY 2013-2014

### FIRST SEMESTER

Agric 101	Intro to Agriculture	1
Eng 101	Study & Thinking Skills	3
Math 101	College Algebra	3
Ssci 101	Society & Culture w/ FP	3
Asci 101	Intro to Animal Science	3
Csci 101	Principles of Crop Production	3
Chem 101	General Chemistry	5
Phed 101	Funds. of Physical Fitness	2
NSTP 101	CWTS/ROTC/LTS 101	3
		<b>26</b>

### SECOND SEMESTER

Sosc 101	Principles of Soil Science	3
Biol 101	General Biology	4
Eng 102	Writing in the Discipline	3

Asci 102	Livestock & Poultry Production	3
Csci 102	Practices of Crop Production	3
Ssci 102	Phil. History, Pols. & Phil. Gov't w/ Phil. Constitution	3
Ssci 103	Basic Economics w/ TAR	3
Phed 102	Dances	2
NSTP 102	CWTS/ROTC/LTS 102	3
		<b>27</b>

### SUMMER

Practicum (Skills Development) 240 Hrs. ON SITE

### Certificate in Agri. Crops Production Tech. (Crop Science) NC 1 or Agri. Animal Production Tech. (Animal Science) NC 1 – 6 units

#### FIRST SEMESTER

Math 102	Plane Trigonometry	3
Econ 101	Agricultural Econ. & Marketing	3
Cpro 101	Principles of Crop Protection	3
Hums 101	Art Appreciation & Aesthetics	3
Agex 101	Agric'l Ext. & Com.	3
Asci 103	Slaughter of Animals & Processing their Products	3

Csci 103	Post Harvest Handling and Seed Technology	3
Fili 101	Komunikasyon sa Akademikong Fil.	3
Phed 103	Individual/Dual Sports	2
		<b>26</b>

#### SECOND SEMESTER

Phys 101	General Physics	3
Econ 102	Intro. to Enterprise and Entrepreneurship	3
Cpro 102	Approches and Practices in Pest Management	3
Ecol 101	Intro. to Ecol. Agriculture	3
Biol 102	Genetics	3
Asci 104	Animal Nutrition & Feeding	3
Fili 102	Pagbasa at Pagsulat tungo sa Pananaliksik	3
Comp 101	Basic Comp. Concept & Application	3
Phed 104	Team Sports	2
		<b>26</b>

### Certificate in Horticulture Tech. NC 11 or Animal Production NC 11

#### FIRST SEMESTER

Lit 101	Literature of the Philippines	3
Stat 101	Intro to Statistics and Methods of Research	3
Rizal 101	Life and Works of Rizal	3

Hums 102	Philosophy & Ethics	3
Csci 104	Principles & Practices of Plant Breeding, Propagation & Nursery Mgt.	3
Sosc 102	Soil Fertility Conservation Mgt.	3
Cpro 103	Beneficial Arthropods & Micro Org.	3
Hort 101	Floriculture & Landscaping	3
Hort 102	Oltericulture	3
		<b>27</b>

### SECOND SEMESTER

Ssci 104	Psychology & Anthropology	3
Eng 103	Scientific/Technical Writing	3
Agri 102	Methods of Agric'l Research	3
Csci 105	Gen. Physiology & Toxicology	3
Csci 106	Farming Systems	3
Hort 103	Pomology	3
Hort 104	Plantation Crops	3
Sosc 103	Soil Survey, Classification & Land Use w/ Intro to GI	3
Agri 198a	Seminar A-Thesis Outline	1
		<b>25</b>

### Cert. in Horticulture NC 111 or Agricultural Crops Production NC 111

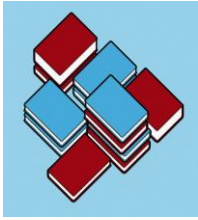
#### FIRST SEMESTER

Hort 199a	Thesis or Practicum/Field Practice	3
Agri 198b	Colloquium	1
Agen 101	Fund. of Agricultural Engineering	3
Econ 103	Financial Mgt. for Preparation and Presentation	3
Agri198c	Seminar B-Management Presentation/Defense	1
Biol 103	Biotechnology & Society	3
Agex 102	Management of Extension Prog.	3
		<b>17</b>

#### SECOND SEMESTER

Agri 198c	Seminar B- Management Presentation/Defense	1
Hort 199a	Thesis or Practicum/Field Practice	3
		<b>4</b>

**TOTAL UNITS: 180 UNITS**



## MODE OF INSTRUCTION

A student enrolled in the program will be given a learning package to work on. While students are expected to be independent and self-reliant in their studies, they can get learning support from the learning centers that are established by the University throughout the region.

During the course of the study, the students are expected to meet their tutors/facilitators on scheduled dates (at least once a month), thresh out problems encountered in the course of their study, or attend seminars, symposia, panel discussions, and/or conferences to enrich their learning experience. The student is also expected to submit written assignments, and sit in supervised examinations at the University.

## ADMISSION REQUIREMENTS

1. Holder of a baccalaureate or a pre-baccalaureate degree
2. Submission of a duly approved application to study at the DOUS.
3. Passing an interview by the DOUS admission committee.

## FOR MORE INFORMATION, CONTACT OR VISIT:

### LEARNING CENTER COORDINATOR DMMMSU Open University System

Cor. Gov. Ortega St., City of San Fernando  
La Union

Tel. No. (072) 607-8324

FAX: (072) 242-3608

dous\_dlc@yahoo.com

www.dmmmsu-ous.org

### Philosophy

Total human development with appropriate competencies

### Vision

A premier and globally competitive university

### Mission

Provides relevant quality instruction, research and extension

### Goal

To lead in transforming human resources into productive self-reliant citizens and responsible leaders

### Objective

To provide distance education to people who have no access to schools, colleges, and universities or to those who, for one reason or another, cannot avail themselves of the conventional mode of instruction.

*“Providing more opportunities”*

Don Mariano Marcos Memorial State University  
**OPEN UNIVERSITY SYSTEM**  
La Union, Philippines

# BACHELOR OF SCIENCE IN AGRICULTURE (BSA)



**MAJOR IN HORTICULTURE**