



University of Southeastern Philippines

College of Agriculture and Related Sciences

Master of Science in Agriculture Major: Crop Protection

CMO No. 15, series of 2019
Approved per BOR Resolution No. 25 s. 2023
Effective 1st sem., S.Y. 2022-2023

I. FOUNDATION COURSES

Course No.	Course Title	Units	Pre-requisites
STAT 160	Research Methods and Experimental Design	3	None
CHEM 7111	Intermediary Metabolism	3	None
AGRI 7122	Precision Agriculture	3	None

II. MAJOR COURSES

Course No.	Course Title	Units	Pre-requisites
CP 7117	Advanced Epidemiology and Plant Disease Management	3	Crop Protection major courses
CP 212	Biological Control of Crop Pests	3	None
CP 7121	Pathogenesis	3	CHEM 7111, Crop Protection major courses
CP 7122	Advanced Insect Ecology	3	None
CP 217	Pesticide Toxicology	3	CHEM 7111
CP 7126	Postharvest Pests and their Management	3	CHEM 7111
CP 213	Advanced Insect Pest Management	3	None
CP 290	Special Topics in Crop Protection*	2	None
CP 299	Graduate Seminar in Crop Protection*	1	None

III. ELECTIVES

Course No.	Course Title	Units	Pre-requisites
	Elective 1	3	None
	Elective 2	3	None

IV. THESIS

Course No.	Course Title	Units	Pre-requisites
CP 300	Master's Thesis	6	Pass or exempted in the comprehensive examination

*Mandatory course

Elective (6 units minimum)

CP 111 Techniques in Crop Protection
CP 214 Advanced Weed Management
EXED 7126 Leadership and Organizational Management
AGRO 7126 Agro-forestry, Enterprise and Tourism Management
AGRI 7132 Data Science in Agriculture
CP 7133 Biology and Ecology of Weeds

Note: Electives are courses offered in the graduate programs in USEP as prescribed by the Advisory Committee.

SUMMARY	UNITS
Foundation Course	9
Major Course	15
Electives (at least 2 courses)	6
Master's Thesis	6
TOTAL NUMBER OF UNITS	36

WE BUILD DREAMS WITHOUT LIMITS

Address: University of Southeastern Philippines
Tagum-Mabini Campus, Apokon
Tagum City, Philippines 8100

Telephone: (082) 227-8192 local 501
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I. Program Outcomes

PGO1 Demonstrate relevant management skills in specialized agricultural operations.

PGO2 Apply advanced knowledge and skills in the conduct of relevant and innovative research in specialized, inter- and multi-disciplinary fields in agriculture for effective and sustainable farm management.

PGO3 Disseminate packaged agricultural research-based and innovative methods to various clienteles for sustainable and profitable agri-enterprises.

II. Type of Graduate Program (Thesis Track under the Master of Science (MSc) Academic Track)

Major Requirement and Student Output (CMO 15, s. 2019)

- Passing the comprehensive examination
- Thesis (6 units)
- At least one (1) publication in a refereed journal or juried creative work outlet

III. Admission Requirements

Applicants for the Master of Science in Agriculture (MSA) program need to meet the following qualifications:

1. Must be a graduate of Bachelor of Science in Agriculture, or any allied programs who had taken at least 12 units of agriculture-related courses. Students not vertically aligned to the different majors (Agronomy, Animal Science, Crop Protection, Horticulture, and Soil Science) under the MSA program may be required to take additional courses prescribed by the Advisory Committee.
2. Must have a GWA of at least 2.0. In case the applicant cannot satisfy this requirement, the recommendation given by the former professors serves as a basis for acceptance.
3. Must have a GSAT score of at least 80%. In case the GSAT score falls between the ranges of 70% to 79%, the applicant is granted admission to the MSA program on probationary status and can take only 9 units. Probationary status is lifted if, at the end of the first semester, the student obtains a GWA of 2.0 or better, and has no failing grades or incomplete (INC) marks in any courses.
4. Must submit three concept papers aligned to the CARS Research Priorities in Issues on Global Warming, Biotechnology, Food Production and Security, and Urban Agriculture. The paper will be the basis for selecting the Adviser.
5. Must have passed the entry requirements as stipulated in the graduate school manual.

IV. Retention Policy

Students in the MSA program must:

1. Maintain a minimum GPA of 2.0 in any given semester;
2. Pass the comprehensive examination, and
3. Comply with the minimum standards as stipulated in the graduate school manual.

V. Publication

Published research output to refereed journals is required to obtain the degree.

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