

PROGRAM OF HORTICULTURE

The Horticulture program leads to a Master of Science. Students may specialize in the application of ecological, sustainable, organic, and conventional concepts and principles to improve the production and management of vegetables, starchy crops, fruits, coffee, ornamentals, landscapes, and other intensively cultivated/high value commodities. Physiological regulation and manipulation in horticultural crops, and postharvest management are other areas of specialization.

Program Learning Outcomes

- To provide an education of excellence with specialization in the application of ecological, sustainable, organic, and conventional concepts and principles to improve the production and management of vegetables, starchy crops, fruits, coffee, ornamentals, landscapes, and other intensively cultivated/high value commodities. Physiological regulation and manipulation in horticultural crops, and postharvest management are other areas of specialization.
- To encourage the creativity of the students and the university community through special research which contributes to the development of agriculture and society

Curricular Sequence

The curricular sequence of the Master of Science in Horticulture is established in coordination between the student, the advisor, and the director of the program. The student's Plan for Graduate Study will be prepared by the committee while taking into consideration the student's individual needs. The curricular sequence requires that students take a **Minimum Total of 30 credits**:

- **18 credits (major courses)** offered by the Department of Agricultural Environmental Science
- **6 credits in thesis research**
- **6 credits (electives courses)** that must be taken from other departments.

However, as occurs for the present on-campus program, each student will be evaluated individually and assessed if he/she must take deficiency (makeup) courses (e.g., Basic soil, applied statistics, crop production, among others). As per Certification SA 09-09, a student in Conditional Standing is one who at the time of admission satisfies all requirements except for some deficiencies in undergraduate courses (up to four maximum).

Ideally, students will be able to complete the program in two years. The current average completion time (for on-campus students) is four (4) years. The completion time varies from student due to the number of deficiencies, academic progress, thesis topic, and research data to collect.

The curricular sequence is as follows:

First Year

First Semester

Number	Credits	Course
HORT XXXX	6	Major Course from the department
Elective	3	Elective from another department

Second Semester

Number	Credits	Course
HORT XXXX	6	Major Course from the department
Elective	3	Elective from another department

Second Year

First Semester

Number	Credits	Course
AGRO XXXX or PROC XXXX or HORT XXXX	6	Major Course from the department
HORT 6999	3	Research in Horticulture

Second Semester

Number	Credits	Course
AGRO XXXX or PROC XXXX or HORT XXXX	6	Major Course from the department
HORT 6999	3	Research in Horticulture

Total Credits: 30