

# PROGRAM OF SOILS

The Soils program leads to a Master of Science. Areas of specialization in soils include chemistry, fertility, soil and crop management, genesis and morphology, microbiology, mineralogy, and physics.

## Program Learning Outcomes

- To provide an education of excellence with specialization in soil chemistry, soil fertility, soil physics, soil and crop management, soil genesis and morphology, soil microbiology, and soil mineralogy.
- 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 Soils 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
AGRO XXXX	6	Major Course from the department
Elective	3	Elective from another department

### **Second Semester**

Number	Credits	Course
AGRO 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
AGRO 6999	3	Research in Soils

### **Second Semester**

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

Total Credits: 30