

# Agricultural Systems Institute

## Vision

A center of excellence in agricultural systems for sustainable development

## Mission

To provide excellent leadership in agricultural systems education, research, development, extension and advocacy

## Courses offered:

- Bachelor of Science in Agriculture Major in:
  - Agricultural Extension
  - Agricultural Systems
  - Landscape Agroforestry
  - Soil Science
- Master of Science in Rural Sociology
- Master of Science in Soil Science
- Doctor of Philosophy in Soil Science

## Contact Us

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University of the Philippines Los Baños  
College of Agriculture and Food Science

**BS Agriculture**  
Major in:



# Soil Science



**Agricultural Systems Institute**



## WHAT IS SOIL SCIENCE PROGRAM?

The Soil Science Program will enable the students to understand the soil as a major resource in various production systems, develop competencies in effective soil management and provide in depth knowledge on the behavior of soils in relation to agricultural productivity and issues such as problem soils and climate change that could impact productive capacity of the soil.

## CAREER OPPORTUNITIES

Graduates of the Soil Science program are versatile enough to have careers in education, extension, industry and agribusiness. They can find meaningful careers as:

- Researchers
- Teachers
- Training Coordinators/Facilitators
- Rural Development Planner
- Extension Officers
- Agriculture Managers/Consultants

## COURSES OFFERING

Course	Unit	Title	Pre-requisite
<b>Core Courses:</b>			
SOIL 101	3	Agricultural Geology	AGRI 51
SOIL 110	3	Soil Survey and Classification	SOIL 101
SOIL 120	3	Soil Microbiology	AGRI 51
SOIL 130	3	Soil Physics	AGRI 51
SOIL 140	3	Soil Chemistry	AGRI 51
SOIL 150	3	Soil Fertility	AGRI 51
SOIL 199	1	Undergraduate Seminar	Sr. Standing
Total		19 Units	
<b>Specialized Courses:</b>			
SOIL 142	3	Fertilizers and their Reactions with the Soil	AGRI 51
SOIL 151	3	Soil Fertility Evaluation	SOIL140 and SOIL 150
SOIL 161	3	Spatial Analysis and Soil Mapping	AGRI 51
SOIL 170	3	Soil Conservation and Management	AGRI 51
SOIL 191	3	Special Topics	None
Total		12 Units	
<b>Electives*</b>			
Total		9 Units	
SOIL 111	3	Soil and Land Use	AGRI 51
SOIL 190	3	Special Problems in Soil Science	None
SOIL 198	3	Practicum	
SOIL 200/200a	6	Undergraduate Thesis/Farm Practice	Sr. standing

\*Any course selected by the student and approved by his/her adviser.



## Application requirements

- » Letter of application addressed to the Institute Director.
- » True copy of grades duly signed by the CAFS College Secretary.

For more inquiries, visit the Agricultural Systems Institute office .



# APPLY NOW

**SOIL SCIENCE**  
as a Major

