

# Plant Biology and Tropical Agriculture

The Plant Biology and Tropical Agriculture Certificate of Competence program is designed to meet the needs of students interested in agriculture. This certificate can serve as a credential for students looking to enter the workforce directly or to support various academic and career goals within the field.

## *Program Student Learning Outcomes (PSLOs) approved 02/19/2014:*

1. Use appropriate scientific and agricultural terminology to communicate in different settings and with different audiences.
2. Identify and analyze the biotic and abiotic factors that affect agricultural production and describe how these factors are managed at the local, state, national, and global level.
3. Apply principles and practices from tropical agriculture and plant and soil sciences to improve production and profitability.
4. Apply the scientific method and available technology to understand and manage agronomic and agribusiness challenges and opportunities.
5. Explain contemporary social, political, economic, and ethical issues involving food, agriculture and the environment.
6. Use practical hands-on field and laboratory investigation skills in plant biology and tropical agriculture.

## Plant Biology and Tropical Agriculture Degrees and Certificates

### Plant Biology and Tropical Agriculture: Certificate of Competence

#### Fall (Semester 1)

Course	Course Title/Category	Credits
AG 122	Soil Technology	3
AG 200	Principles of Horticulture	3
AG 200L	Principles of Horticulture Lab	1
BOT 105	Ethnobotany	3

#### Spring (Semester 2)

Course	Course Title/Category	Credits
AG 141	Integrated Pest Management	3
BOT 130	Plants in the Hawaiian Environment	3
BOT 130L	Plants in the Hawaiian Environment Lab	1
	Total Credits	17