

# Sustainable Agriculture

The Certificate of Competence in Sustainable Agriculture is a 17-credit certificate designed for students who want to engage in small-scale farming in Hawai'i. Sustainable agriculture integrates long-term environmental stability with economic profitability in a way that focuses on stewardship of both human and physical resources. In contrast to the ways of farming that have become typical in the last century, sustainable agriculture focuses on reducing energy and resource demands, removing harmful chemicals and by-products of farming, and using alternative processes, such as aquaponics, to create a viable farm.

Upon completion of the Certificate of Competence in Sustainable Agriculture, the student will be able to:

- Evaluate sustainable farming systems and business plans
- Determine the sustainable farming system suited for a specific location in Hawai'i
- Recommend cultural practices, solve problems and cultivate horticultural crops in a sustainable manner based on sound biological and technological principles

**Program:** Agriculture

**Type:** Certificate of Competence

## Required Courses

Item #	Title	Credits
AG 120	Plant Science	3
AG 170	Introduction to Aquaponics	4
AG 171	Farm Renewable Energy Systems	3
AG 192V	Special Topics in Agriculture	1-4
BUS 122B	Introduction to Entrepreneurship: Sustainable Agriculture	3
IS 201	The Ahupua'a	3