AGRICULTURE – SUSTAINABLE SMALL FARMS MANAGEMENT CERTIFICATE OF ACHIEVEMENT

The Small Farm Management Certificate Program will provide knowledge and skills for the next generation of farmers in sustainable, local and organic farming, and gardening practices. The core technical courses in this certificate offer a foundation for further training appropriate for farm-related employment opportunities. Students will gain fundamental skills that are applicable across disciplines while also having the opportunity to focus on specific areas of interest within the farm management topic. In addition, the program provides an introduction to basic business and accounting skills, marketing and promotion, and skills that are essential to the successful development of a small sustainable farm.

Required Courses:		**Units**
AGR 75	Introduction to Pruning	1
AGR 100	Plant Pest and Disease Management	3
AGR 108	Soils and Fertility Management	3
AGR 116	Sustainable Agricultural Systems	2
AGR 140	Introduction to Horticulture	3
AGR 180	Fall Sustainable Vegetable and Fruit Production	2
AGR 181	Sustainable Spring Vegetable Growing Practices	2
CED 196	Occupational Work Experience Education	3
or AGR 197	Agriculture Internship	3
BUS 132	Entrepreneurial Management	3
SPN 100	Conversational Spanish: Level I	2
or SPN 101	Conversational Spanish: Level II	2
or SPN 102	Conversational Spanish: Level III	2
Plus 6 additional units selected from the following:		**Units**
AGR 56	Small Farm Machinery Operations and Safety	2
AGR 57	Mushroom Cultivation	1
AGR 61	Mushroom Identification – Fall	1
AGR 62	Mushroom Identification – Spring	1
CED 196	Occupational Work Experience Education	1 - 3
or AGR 197	Agriculture Internship	1 - 3
BUS 150	Entrepreneurial Marketing	3
Total units required for Certificate		**30**

Program Level Student Learning Outcomes:

1. Describe the basic biological processes of plants.
2. Evaluate a small farm crop's maintenance needs including soil health, fertility, irrigation and pest management.
3. Develop a schedule for specific small farm crops in a rotational production system.