

## **AGRICULTURE – NURSERY PRODUCTION CERTIFICATE OF ACHIEVEMENT**

This program is intended for those who wish to pursue a career in the retail or production nursery field. Courses range from plant identification to soils and fertility, pest management, plant propagation and plant biology. The certificate program offers a selection of courses that focus on food and ornamental plant production, including business management. Core courses offer a solid science background in order for the student to gain a greater understanding of how ornamental and food crop plants grow. This basic knowledge is then interwoven with practical cultural and production methods.

### **Required Courses**

<b>Course Number</b>	<b>Course Name</b>	<b>Units</b>
AGR 100	Plant Pest and Disease Management	3
AGR 102	Plant Propagation	3
AGR 140	Introduction to Horticulture	3
AGR 144	Nursery Management and Practices	3
AGR 208	Soil Science	4
AGR 240	Plant Identification-Fall	3
AGR 241	Plant Identification-Spring	3

### **Plus 2 – 3 additional units selected from the following**

<b>Course Number</b>	<b>Course Name</b>	<b>Units</b>
AGR 53	Landscaping with Native Plants	3
AGR 147	Greenhouse Projects	1 - 3
BUS 132	Entrepreneurial Management	3
WEE 196	Work Experience Education	1 - 8

**Total units required for Certificate**

**25 - 24**

### **Program Level Student Learning Outcomes:**

1. Demonstrate a working knowledge of common landscape plants and their cultural requirements in a landscape.
2. Demonstrate a working knowledge of basic plant biology.
3. Demonstrate a working knowledge of plant propagation scheduling, methods.
4. Demonstrate a working knowledge and management of pest and disease problems commonly associated with nursery crops.
5. Demonstrate a basic understanding of the uses of different growing structures and how they function.
6. Demonstrate a basic knowledge of nursery types and their basic needs of site selection, layout, water and marketing.