

Production Horticulture Certificate

Program Description

The Production Horticulture Certificate program is designed to prepare students for potential careers in the horticulture and greenhouse industry including grower, nursery technician, integrated pest management, greenhouse management and entrepreneur.

Program Contacts

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Program Outcomes

Upon successful completion of the Production Horticulture Certificate program, the learner will be able to:

1. Establish a greenhouse-growing program with timelines for flowers, fruits, and vegetables. (AGS 250, AGS 252)
2. Integrate an IPM system for insect control in greenhouses. (AGS 250, AGS 252)
3. Determine appropriate greenhouse styles and geographical locations for specific crops in the industry. (AGS 250, AGS 252)
4. Implement a production management schedule. (AGS 157, AGS 252)
5. Develop a marketing plan for a specific crop. (AGS 157, AGS 252)
6. Utilize technology in crop production, marketing, and sales. (AGS 101 or CSA 126, AGS 157, AGS 250, AGS 252)
7. Control a greenhouse environment through computer and mechanical means. (AGS 250, AGS 252)
8. Manage a crew of greenhouse laborers. (AGS 157, AGS 250, AGS 252)
9. Grow a hydroponics and flower crop of high economic value. (AGS 250, AGS 252)
10. Utilize principles and operative skills in agricultural equipment and small engine maintenance. (AGS 215)

Program Requirements

A minimum of 30 credit hours is required to complete the Production Horticulture Certificate.

Course	Course Title	Credit Hours	
AGS103	Plant Biology	4	
AGS105	Soils	3	
AGS107	Entomology	3	
AGS157	Community Supported Agric	3	
AGS215	Agricultural Mechanics	3	
AGS250	Horticulture Science I	4	
AGS252	Horticulture Science II	4	
AGS274	Water Management	3	
Select 3 credit hours from the following courses:			
AGS101	Microcomputers in Agriculture	3	
OR	CSA126	Microsoft Office	3
	AGS102	Agribusiness Management	3