Intensive Controlled-Environmental Plant and Production Certificate

Completion of the Intensive Controlled-Environmental Plant and Production Certificate program will produce skilled entry-level certificate-holders with the horticultural management and production skills needed in the rapidly expanding floriculture, specialty vegetable, therapeutic cannabis, and urban and protected structure production systems industries. The certificate may be awarded on a stand-alone basis as well as serving in partial fulfillment of a B.S. in Horticulture.

Course of study

Includes a cross-section of classes that provide the student with problem solving and production skills required for intensive high value crop production systems. Candidates completing the certificate comprised of at least 30 credit hours as listed will be prepared for employment in high value crop production systems.

Degree Requirements Credit Hours

Course and Title	*Sem. Hours*	*Course and Title*	*Sem. Hours*
CERTIFICATE REQUIREMENTS		**TECHNICAL COURSES**	
HORT 424, Floriculture	4.0	AGSE 361, Introduction to Control Programming	3.0
HORT 437, Vegetable Production	4.0		
HORT 350, Controlled Environment Agriculture	3.0	AGSE 371, Physics in Agriculture	3.0
Total	**11.0**	**Total**	**6.0**
PRODUCTION COURSES		**FOCUS AREAS**	
HORT 220, General Horticulture	4.0	PLB 217, Cannabis Biology, Industry, and Medicine	3.0
HORT 423, Greenhouse Management	3.0		
HORT 430, Plant Propagation	4.0		
CSEM 401, Agriculture Plant Pathology	2.0		
PLB 200, General Plant Biology	4.0		
AGSE 250, Pesticide Application AGSE 359, Intern Program	1.0		
CSEM 250, Pesticide Application CSEM 359, Intern Program	1.0		
HORT 250, Pesticide Application HORT 359, Intern Program	1.0		
Total	**20.0**	**Total**	**3.0**

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