

A minor in Controlled Environment Agriculture (CEA) is useful for students in Agriculture and Biological Sciences who plan to seek employment in areas of horticulture and floriculture production, marketing, management, etc., where decision making requires an understanding of plant crop production in controlled environments. Students taking this minor will gain insights into the environmental and cultural factors that influence crop productivity. Such insights will enable the student to anticipate crop response under CEA production regimes.

**Prerequisite Courses for the minor**

BIOLOGY 1101, 1101E, 1113, 1113E, or 1113H

**Credit Hours**

4

A CEA minor consists of 13 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

**Required Courses**

HCS 2202	Form and Function of Cultivated Plants	4
HCS 3310	Crop Responses to the Environment	3
HCS 3521	Greenhouse Systems and Management	2
or		
HCS 4300	Hydroponic Crop Production	

**Credit Hours**

**Electives**

Take four credit hours from the following list:

HCS 3320	Plant Propagation	3
HCS 3488.01	Professional Development in Horticulture and Crop Science	1-3
HCS 3521	Greenhouse Systems and Management ( <i>if not selected above</i> )	2
HCS 4193	Individual Studies	1-3
HCS 4300	Hydroponic Crop Production ( <i>if not selected above</i> )	2
HCS 4301	Hydroponic Crop Production Lab	1
HCS 4520	Medicinal Plants	2
HCS 5325	Plant Genetics	3

**Restrictions and General Information**

1. This minor is not available to students majoring in Sustainable Plant Systems.
2. A minor should be declared by the time a student accumulates 60 hours.
3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
4. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
5. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e., if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
6. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
7. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
8. No more than 3 credit hours of xx93 may count toward the minor.
9. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.