

**College of Agriculture and Life Sciences – Bachelor of Science in Horticulture**  
**Environmental Horticulture Major**

**Horticulture and Agriculture<sup>1</sup> (34 Credits Total)**

**Required Courses (16 Credits)**

ALS	1234	(1)	CALS First Year	f
HORT	2154	(3)	Spanish for Green Industry	f
HORT	2224	(2)	Horticulture Science & Ind.	f
HORT	2234	(3)	Env. Factors in Hort	s
HORT	2244	(3)	Plant Propagation	s
HORT	4004	(1)	Horticulture Seminar	f
HORT	4324	(3)	Greenhouse Mgt (online)	f,sul

**Options for Additional Requirements**

*Plant Materials (minimum of 5 Credits)*

HORT	3325	(3)	Woody Landscape Plants	f
HORT	3326	(3)	Woody Landscape Plants	s
HORT	3345	(2)	Herbaceous Landscape Plants	f
HORT	3346	(2)	Herbaceous Landscape Plants	s
HORT	3454	(3)	Herb Plants for Eco Lndscps	f

*Sustainability (minimum of 3 Credits)*

HORT	2134	(3)	Plnts & Grnsp in Urb Comm.	s
HORT	2184	(3)	Plants Places Culture Glob.	s
HORT	2834	(3)	Sustainable Ag Practicum	f,s

*Related Ag Sciences (minimum of 10 credits)*

CSES	3134	(3)	Soils in the Landscape	s
or				
CSES	3114	(3)	Soils* (must take Lab)	f
CSES	3124	(1)	Lab for Soils*	
ENT	4254	(3)	Insect-Pest Mgt	s
PPWS	4104	(4)	Plant Pathology*	f

**Business Requirements (9 Credits Minimum)**

AAEC	2434	(3)	Foundations of Agribusiness*	f,s
AAEC	3454	(3)	Small Bus Mgt & Entre*	s
HORT	4614	(3)	Orn Plnt Prod & Marketing	s
or				
AAEC	2XXX	(3)		
MKTG	2XXX	(3)		

**Restricted Electives (19 Credit Min) See Back for Selections**


**CLE Requirements and Options<sup>2</sup> (37 Credits Minimum)**

**Area 1: Writing and Discourse (6 Credits Min)**

ENGL	1105	(3)	First Year Writing (req)	f,s
ENGL	1106	(3)	First Year Writing (req)	f,s

**Area 2: Ideas, Cultural Traditions and Values (6 Credits Min)**

*Suggested ALS 4204; FREC 2554*


**Area 3: Society and Human Behavior (6 Credit Min)**

AAEC	1005	(3)	Econ of Food & Fbr Sys	f,s
ECON	2005	(3)	Principles of Economics	f,s

**Area 4: Scientific Reasoning and Discovery (9 Credit Min)**

BIOL	1105	(3)	Principles of Biology	f
CHEM	1035	(3)	General Chemistry	f,s
CHEM	1036	(3)	General Chemistry	f,s

**Area 5: Quantitative and Symbolic Reasoning (6 Credits Min)**

MATH	1014	(3)	Precalc w/Trans Func	f,s
MATH	1025	(3)	Elem Calc w/Matrices	f,s
or				
MATH	1525	(3)	Precalc w/Trans Func	f,s
MATH	1526	(3)	Elem Calc w/Matrices	f,s

**Area 6: Creativity and Aesthetic Experience (1 Credit Min)**

*Suggested HORT 2164*

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**Area 7: Critical Issues in a Global Context (3 Credits Min)<sup>3</sup>**

*Suggested HORT 2184; HORT 3444; HORT 4794*


**Additional Required Humanities (6 Credits)**

ALCE	3634	(3)	Comm Ag & Life Sci Speaking	f,s
or				
COMM	2004	(3)	Public Speaking	f,s
HORT	2304	(3)	Plant Biology* (s-preferred)	f,s

**Free Electives (15 Credits Min)**


<sup>1</sup> All courses in Horticulture and Agriculture section, plus all other elected Horticulture courses, are included in calculating the in-major GPA. Any credit overage applies as restricted elective.

<sup>2</sup> Courses that are listed in the CLE section are required. For options for the area requirement optional courses, please consult your advisor and use the CLE guide for qualifying courses.

<sup>3</sup> Area 7 courses may also apply towards another area.



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**PREREQUISITES** – Some courses are marked with an asterisk \* noting that they require a prerequisite. Be sure to consult the University Course Catalog and check with your advisor for additional prerequisite and restrictions on courses.

**Work with your advisor to choose Restricted Electives from the following course.<sup>4</sup>**

AAEC	2104	(3)	Personal Fin. Planning	f,s	HORT	2184	(3)	Plants Places Culture Glob.	s
AAEC	3104	(3)	Fin Planning for Prof.	f,s	HORT	2834	(3)	Sustainable Ag Practicum	f,s
AAEC	3204	(3)	Pintl Agr Dev & Trade	f	HORT	3114	(3)	Wines & Vines	s
AAEC	3314	(3)	Environmental Law	s	HORT	3354	(3)	Urban Forestry & Arbor	f
AAEC	3604	(3)	Agriculture Law	f	HORT	3544	(2)	Landscape Construction	s
AAEC	4204	(3)	Food & Agriculture Policy	f	HORT	3584	(1)	Landscape Cont. Pract.	f
AAEC	4404	(3)	Agric. Mgt. & Prblm. Solv.	s	HORT	3644	(3)	Landscape Establishment	f
ALS	2204	(3)	Intro to Civic Ag	f	HORT	3664	(2)	Hardscape Mat. & Install	f
ALS	3404	(3)	Ecological Agriculture	f	HORT	4205	(1)	Public Garden maint. & Mgt	f,s
ALS	4714	(1)	Global Seminar	f	HORT	4206	(1)	Public Garden maint. & Mgt	f,s
BIOL	1106	(3)	Principles of Biology	s	HORT	4324	(3)	Greenhouse Mgt (online)	f,s,u
BIOL	1115	(1)	Principles of Biology Lab	f,s	HORT	4504	(2)	Landscape Contracting	f
BIOL	1116	(1)	Principles of Biology Lab	f,s	HORT	4545	(4)	Sm. Scale/Resid. Ldsp Des.	f,s
BIOL	2004	(3)	Intro to Genetics	f,s	HORT	4546	(4)	Sm. Scale/Resid. Ldsp Des	f,s
BIOL	2204	(3)	Plants & Civilization	f	HORT	4614	(3)	Orn. Plant Prod. & Mktg	s
BIOL	3204	(3)	Plant Taxonomy	s	HORT	4644	(3)	Small Fruits	f
BSE	2484	(3)	Engines Power Train	f,s	HORT	4654	(3)	Viticulture	s
CHEM	1045	(1)	General Chem Lab	f,s	HORT	4744	(3)	Plant Estab & Environ Des.	f
CHEM	1046	(1)	General Chem Lab	f,s	HORT	4764	(3)	Vegetable Corps	f,s
CSES	2444	(3)	Agronomic Crops	f	HORT	4784	(3)	Vegetable Seed Production	s
CSES	2564	(3)	Turfgrass Mgt	f	HORT	4794	(3)	Medicinal Plants & Herbs	f
CSES	3444	(3)	Wrld Crops & Crop Sys.	s	HORT	4835	(2)	Organic Veg Prod	s
CSES	4214	(3)	Soil Fertility & Mgt	s	HORT	4845	(1)	Organic Veg Prod Lab	s
CSES	4214	(1)	Soil Fertility & Mgt Lab	s	LAR	4034	(3)	Evol. American Landscape	s
CSES	4214	(3)	Soil Fertility & Mgt	s	MGT	3304	(3)	Mgt Th & Lead Pract	f,s
ENT	2254	(2)	Bees & Beekeeping	s	MKTG	3104	(3)	Marketing Management	f,s
ENT	2264	(1)	Bees & Beekeeping Lab	s	MKTG	3504	(3)	Advertising	f,s
ENT	4264	(3)	Pesticide Usage	s	PPWS	2104	(3)	Domest the Gene	s
FREC	4454	(3)	Urban Forest Mgt & Pol.	s	PPWS	3505	(3)	Plnt Physiology & Env	f,s
FST	2014	(2)	Into to Food Science	f	PPWS	3506	(3)	Plnt Physiology & Env	f,s
HORT	2134	(3)	Plnts & Grnsp in Urb Com	s	PPWS	4754	(3)	Weed Sci.: Princ. & Prac.	f
HORT	2144	(3)	Indoor Plants	f,s	SPAN	1105	(3)	Elementary Spanish	f,s
HORT	2164	(3)	Floral Design	f,s	SPAN	1106	(3)	Elementary Spanish	f,s

**Eligibility for Continued Enrollment**

By the end of the academic year in which the student has attempted 72 hours (including transfer, advanced placement, advanced standing, and credit by examination), "satisfactory progress" towards a B.S. degree in Environmental Horticulture Major will include the following minimum criteria:

- MATH 1014 & 1025
- CHEM 1035 & 1036
- HORT 2224 or 2234 or 2244
- GPA of at least 2.0, overall and in-major
- 6 credits additional HORT (including those not applied above)
- 6 credits from CSES 3114 or 3134, ENT 4254, PPWS 4104

NOTE: A sequence of two foreign language courses is required unless two years of the same high school foreign language or 6 transfer credits of the same foreign language are completed. These credits *do not count* towards graduation requirements.

- Total credits required for graduation is 120 with a required minimum GPA overall and in-major of 2.0 or higher.

<sup>4</sup> Any course applied as Area 2 or 7, Business, or HORT elective may **NOT** also count as a Restricted Elective.