

College of Agriculture and Life Sciences – Bachelor of Science in Horticulture
Landscape Horticulture and Design Major

Horticulture and Agriculture¹ (40 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	4744	(3)	Plant Est. & Env. Design	f

CLE Requirements and Options² (37 Credits Minimum)

Area 1: Writing and Discourse (6 Credits Min)

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

Suggested HORT 2184; HORT 3444; HORT 4794

Options for Additional Requirements

Plant Materials (minimum of 8 Credits)

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

Sustainability & Related Ag Sciences (minimum of 13 credits)

CSES	2564	(3)	Turfgrass Mgt (Co-Req BIOL 1105)	f
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 (11 Credits Minimum)

AAEC	2434	(3)	Foundation of Agribusiness*	f,s
AAEC	3454	(3)	Small Bus Mgt & Entre*	s
HORT	4504	(2)	Landscape Contracting*	f
HORT	4614	(3)	Orn Plnt Prod & Marketing	s
or				
AAEC	2XXX	(3)		
or				
MKTG	2XXX	(3)		

Free Electives (18 Credits Min)

Restricted Electives (11 Credit Min) See Back for Selections

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

² 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.

³ 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.⁴

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)	Pintnl 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,su1
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 Landscape Horticulture & Design 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.

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