

# Horticulture

Freshman Year									
First Semester					Second Semester				
BIOL 103	General Biology I		3		HORT 102	Experience Horticulture		1	
BIOL 105	General Biology Lab I		1		MTHSC 102	Intro. to Math Analysis		3	
HORT 101	Horticulture		3		ENGL 103	Accelerated Composition		3	
CH 101	General Chemistry		4		CH 102	General Chemistry		4	
Spanish Language Requirement <sup>2</sup>			4		Related Science Requirement <sup>2</sup>			4	
Semester Hours: 15					Semester Hours: 15				
Sophomore Year									
First Semester					Second Semester				
MTHSC 101	Essential Math		3		Social Science Requirement <sup>1</sup>			3	
Plant Biology Requirement <sup>2</sup>			4		Arts and Humanities (Lit) Requirement <sup>1</sup>			3	
Business Requirement <sup>2</sup>			3		HORT 211	Growing Garden Plants in the Spring		3	
Arts & Humanities (Non-Lit) Requirement <sup>1</sup>			3		CSENV 202	Soils		4	
HORT 210	Growing Garden Plants in the Fall		3						
Semester Hours: 16					Semester Hours: 13				
Summer									
HORT 271	Internship		3	or	HORT 471	Advanced Internship <sup>3</sup>		3	
Junior Year									
First Semester					Second Semester				
Elective			3		HORT 305	Plant Propagation		3	
HORT Specialization Requirement <sup>2</sup>			3		HORT 306	Plant Propagation Tech. Lab		1	
Oral Communications Requirement <sup>1</sup>			3		Related Science Requirement <sup>2</sup>			3	
Social Science Requirement <sup>1</sup>			3		Business Requirement <sup>2</sup>			3	
HORT 303	Landscape Plants		3		HORT 409	Seminar		1	
					HORT Specialization Requirement <sup>2</sup>			3	
					Elective			1	
Semester Hours: 15					Semester Hours: 15				
Senior Year									
First Semester					Second Semester				
Related Science Requirement <sup>2</sup>			6		BIOSC 401	Plant Physiology		3	
Business Requirement <sup>2</sup>			3		BIOSC 402	Plant Physiology Lab		1	
HORT Specialization Requirement <sup>2</sup>			6		HORT Specialization Requirement <sup>2</sup>			3	
					Related Science Requirement <sup>2</sup>			6	
Semester Hours: 15					Semester Hours: 13				

## Total – 120 hrs

<sup>1</sup> See General Education Requirements. One humanities or one social science requirement must be a Cross-Cultural Awareness Course.

<sup>2</sup> See advisor. Select from approved departmental list.

<sup>3</sup> Internship must be completed in one or two semesters. Internship may be done fall or spring or summer after completing HORT 303. Prior approval is required for internships and a 2.0 is required for registration.

\* Horticulture majors must make a C or better in all HORT designated courses.

## Horticulture (Continued)

### Related Science Courses (choose at least 6 courses – 19 credits, at least one lecture and lab must be taken)

AGM 301	Soil and Water Conservation	2 (fall)	FOR 315	Woodland Ecology	3
AGM 402	Drainage Irrigation & Waste Mgmt.	3	FOR 413	Integrated Forest Pest Mgmt.	4
BIOCH 305	Essential Elements of Biochemistry	3	FOR 433	GPS Applications	3
BIOSC 320	Field Botany	4	FOR 434	GIS Systems for Landscape Planning	3
BIOSC 406/407	Introductory Plant Taxonomy	4	GEN 300/301	Fundamental Genetics	4
BIOSC 413	Restoration Ecology	3	GEOL 101/103	Physical Geology	4
BIOSC 441/445	Ecology	5	GEOL 112/114	Earth Resources	4
BIOSC 452/453	Plant Anatomy and Morphology	5	GEOL 300	Environmental Geology	3
BIOSC 446/447	Plant Ecology	5	IPM 401	Principles of Integrated Pest Mgmt.	3
CH 301	Survey of Organic Chemistry	4	MICRO 305	General Microbiology	4
CH 223/227	Organic Chemistry & Lab	4	PHYS 122/124	Physics with Calculus I	4
CSENV 405	Plant Breeding	3	PHYS 200	Introductory Physics	4
CSENV 407	Introductory Weed Science	3	PHYS 207/209	General Physics I	4
CSENV 452/453	Soil Fertility and Management	3/1	PLPA 31	Plant Diseases and People	3
EN SP 200	Intro to Environmental Science	3	PLPA 406/408	Diseases and Insects of Turfgrass	2/1 (Maymester)
EN SP 472	Environmental Planning & Control	2	PLPH 320	Plant Medicine and Magic	3
ENT 300	Environmental Entomology	3	WFB 313	Conservation Biology	3 (every sem.)
ENT 301	Insect Biology and Diversity	4	WFB 412	Wildlife Management	3
ENT 308	Apiculture	3	WFB 462	Wetland Wildlife Biology	3
FOR 308	Remote Sensing & GIS in Forestry	3			

### Business, Communication & Leadership Courses (choose at least 3 courses – 9 credits)

ACCT 201	Financial Accounting Concepts	3	All COMM, ECON, FIN, LAW, MGT, MKT courses 300 and higher		
ACCT 202	Managerial Accounting Concepts	3	All MGT courses 200 and higher		
All AP EC courses 300 and higher			ELE 301, 401, 499 Executive Leadership & Entrepreneurship I, II, III		

### Horticulture Specialization Courses (choose at least 4 courses – 15 credits)

FOR 450	Woody Plant Stress Physiology	3	HORT 408	Horticulture Discovery and Inquiry	Variable
FOR 480	Selected Topics in Urban Forestry	1-3	HORT 412	Advanced Turfgrass Management	3
HORT 202	Selected Topics	3	HORT 420	Applied Turfgrass Physiology	3
HORT 208	Landscape Appreciation	3	HORT 427	Urban Tree Care	3
HORT 212	Introduction to Turfgrass Culture	3	HORT 433	Landscape & Turf Weed Mgmt.	3
HORT 213	Turfgrass Culture Laboratory	1	HORT 455	Just Fruits	3
HORT 308	Sustainable Landscape Garden Design	3	HORT 456	Vegetable Crops	3
HORT 309	Sustainable Landscape Design Lab	1	HORT 461	Advanced Landscape Garden Design	4
HORT 400	Special Topics (maximum 3 credits)	1-3	HORT 465	Plant Molecular Biology	3
HORT 406	Nursery Technology	3			

### Spanish Courses (choose at least 1 course – 4 credits)

SPAN 101	Elementary Spanish	4	SPAN 104	Basic Spanish	4
SPAN 102	Elementary Spanish	4	SPAN 202	Intermediate Spanish	4

### Plant Biology Requirement – 4 credits

BIOSC 304	Biology of Plants	3	BIOSC 308	Biology of Plants Lab	1
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