

# Horticulture 2014-15

## Freshman Year

First Semester			Second Semester		
BIOL 1030	Gen. Biology I	3	BIOL 1040	General Biology II	3
BIOL 1051	Gen. Bio. Lab I	1	BIOL 1061	General Biology Lab II	1
CH 1010	Gen. Chem. I	4	CH 102 0	General Chemistry	4
HORT 1010	Intro. to Hort.	3	ENGL 1030	Accelerated Composition	3
Spanish Language Requirement <sup>1</sup>		4	MTHSC 1020	Intro. to Math Analysis	3
			Business Requirement <sup>2</sup>		
Semester Hours: 15			Semester Hours: 17		

## Sophomore Year

First Semester			Second Semester		
HORT 2100	Growing Garden Plants in the Fall	3	PES 2020	Soils	4
HORT 3030	Landscape Plants	3	HORT 2110	Growing Garden Plants in the Spring	3
MTHSC 1010	Essential Math	3	Arts and Humanities (Lit) Requirement <sup>2</sup>		
Plant Biology Requirement <sup>1</sup>		4	Social Science Requirement <sup>2</sup>		
Arts & Humanities (Non-Lit) Requirement <sup>2</sup>		3			
Semester Hours: 16			Semester Hours: 13		

## Summer

HORT 2710	Internship <sup>3</sup>	3	or	HORT 4710	Advanced Internship <sup>3</sup>	3
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## Junior Year

First Semester			Second Semester		
HORT 3080	Sustainable Landscape Garden. Design	3	BIOSC 4010	Plant Physiology	3
HORT Specialization Requirement <sup>1</sup>		3	BIOSC 4021	Plant Physiology Lab	1
Oral Communications Requirement <sup>2</sup>		3	HORT 4040	Plant Propagation	3
Related Science Requirement <sup>1</sup>		3	HORT 4051	Plant Propagation Tech. Lab	1
Business Requirement <sup>1</sup>		3	HORT Specialization Requirement <sup>1</sup>		
			Social Science Requirement <sup>2</sup>		
			Elective		
Semester Hours: 15			Semester Hours: 15		

## Senior Year

First Semester			Second Semester		
HORT 4090	Capstone	3	HORT Specialization Requirement <sup>1</sup>		
HORT Specialization Requirement <sup>1</sup>		3	Related Science Requirement <sup>1</sup>		
Business Requirement <sup>1</sup>		3	Elective		
Related Science Requirement <sup>1</sup>		3			
Elective		3			
Semester Hours: 15			Semester Hours: 11		

### Total – 120 hrs

<sup>1</sup> See advisor. Select from approved departmental list.

<sup>2</sup> See General Education Requirements. The Cross-Cultural Awareness and Science and Technology in Society General Education requirements must also be satisfied through these courses.

<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 4 courses – 12 credits, at least one lab course must be taken)

AGM 3010	Soil and Water Conservation	3	<i>Advanced Science Options for Graduate School Tract</i>		
AGM 4020	Drainage Irrigation & Waste Mgmt.	3	BCHM 3050	Essential Elements of Biochemistry	3
BIOL 3200	Field Botany	4	CH 3010	Survey of Organic Chemistry	4
BIOL 4060/4071	Introductory Plant Taxonomy	4	CH 2230/2271	Organic Chemistry & Lab	4
BIOL 4410/4450	Ecology	5	GEN 3000/3010	Fundamental Genetics	4
BIOL 4460/4470	Plant Ecology	5	MICR 3050	General Microbiology	4
PES 4050	Plant Breeding	3	PHYS 1220/1240	Physics with Calculus I	4
PES 4520/4530	Soil Fertility and Management	3/1	PHYS 2000	Introductory Physics	4
ENSP 2000	Intro to Environmental Science	3	PHYS 2070/2090	General Physics I	4
ENT 3000	Environmental Entomology	3			
ENT 3010	Insect Biology and Diversity	4			
ENT 3080	Apiculture	3			
IPM 4010	Principles of Integrated Pest Mgmt.	3			
PLPA 3100	Principles of Plant Pathology	3			
PLPA 4060/4080	Diseases and Insects of Turfgrass	2/1			
WFB 3130	Conservation Biology	3			
WFB 4620	Wetland Wildlife Biology	3			

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

ACCT 2010	Financial Accounting Concepts	3	All COMM, ECON, FIN, LAW, MGT, MKT courses 300 and higher		
ACCT 2020	Managerial Accounting Concepts	3	All MGT courses 2000 and higher		
All AP EC courses 3000 and higher			ELE 3010, 4010, 4990 Executive Leadership & Entrepreneurship I, II, III		

### Horticulture Specialization Courses (choose at least 4 courses – 12 credits)

HORT 2020	Selected Topics	3	HORT 4270	Urban Tree Care	3
HORT 2080	Landscape Appreciation	3	HORT 4330	Landscape & Turf Weed Mgmt.	3
HORT 2120	Introduction to Turfgrass Culture	3	HORT 4550	Just Fruits	3
HORT 2131	Turfgrass Culture Laboratory	1	HORT 4560	Organic Vegetable Crops	3
HORT 3091	Sustainable Landscape Design Lab	1	HORT 4610	Advanced Landscape Garden Design	4
HORT 4000	Special Topics (maximum 3 credits)	1-3	HORT 4710	Advanced Internship	3
HORT 4080	Horticulture Discovery and Inquiry	Variable	HORT 4720	Landscapes and Health	3
HORT 4120	Advanced Turfgrass Management	3	FOR 4500	Woody Plant Stress Physiology	3
HORT 4200	Applied Turfgrass Physiology	3	FOR 4800	Selected Topics in Urban Forestry	1-3

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

SPAN 1010	Elementary Spanish	4	SPAN 1040	Basic Spanish	4
SPAN 1020	Elementary Spanish	4	SPAN 2020	Intermediate Spanish	4

### Plant Biology Requirement – 4 credits

BIOSC 3040	Biology of Plants	3	BIOSC 3081	Biology of Plants Lab	1
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