HORTICULTURE
2006-2007

Freshman

First Semester		Second Semester	
BIOL 103 - General Biology I	4 hrs	BIOSC 205 Plant Form/Function *and*	3 hrs
HORT 101 – Horticulture	3 hrs	BIOSC 206 Plant Form/Function Lab *or*	1 hr
MTHSC 102 – Intro. to Math Analysis	3 hrs	BIOL 104 –General Biology II	4 hrs
Social Science Requirement [1]	6 hrs	ENGL103 Accelerated Composition	3 hrs
	16 hrs	HORT 102 Experience Horticulture	1 hr
		MTHSC 101 – Essential Math	3 hrs
		Arts & Humanities (Non-Lit) Requirement [1]	3 hrs
			14 hrs

Sophomore

First Semester		Second Semester	
CH 101 General Chemistry *or*	4 hrs	CH 102 General Chemistry *or*	4 hrs
CH 105 Begin. Gen. and Organic Chem.[4]		CH 106 Begin. Gen. and Organic Chem[4]	
HORT 303 – Landscape Plants	3 hrs	HORT 304 Annuals and Perennials	3 hrs
Applied Science Requirement[2]	3 hrs	HORT 305 Plant Propagation	3 hrs
Business Requirement [2]	3hrs	HORT 306 Plant Propagation Tech. Lab	1 hr
Oral Communications Requirement [1]	3 hrs	Arts and Humanities (Lit) requirement[1]	3 hrs
	16 hrs		14 hrs

Summer

HORT 271 Internship *or*	3 hrs
HORT 471 Advanced Internship[3]	

Junior

First Semester		Second Semester	
CSENV 202 - Soils	4 hrs	BIOSC 401 Plant Physiology	3 hrs
Advanced Writing Requirement[1]	3 hrs	BIOSC 402 Plant Physiology Lab	1 hr
HORT Specialization Requirement [2]	3 hrs	HORT 409 Seminar	1 hr
Spanish Language Requirement [2]	3 hrs	Business Requirement [2]	3 hrs
	13 hrs	HORT Specialization Requirement[2]	3 hrs
		Laboratory Science Requirement[2]	4 hrs
			15 hrs

Senior

First Semester		Second Semester	
Applied Science Requirement [2]	6 hrs	Applied Science Requirement [2]	3 hrs
Business Requirement [2]	3 hrs	HORT Specialization Requirement[2]	6 hrs
HORT Specialization Requirement[2]	6 hrs	Laboratory Science Requirement [2]	4 hrs
	15 hrs	Elective	1 hr
			14 hrs

Total – 120 hrs

1. **See General Education Requirements. One humanities or one social science requirement must be a Cross-Cultural Awareness Course.**
2. **See advisor. Select from approved departmental list.**
3. **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.**
4. **Students not taking the CH 105/106 sequence must satisfy the General Education Science and Technology in Society Requirement by selecting a qualifying course from the Applied Science Requirement or the Laboratory Science Requirement.**

Laboratory Science Courses (choose at least 2 courses for a minimum of 8 credits lecture and lab must be taken

BIOCH 301 Biochemistry & Lab - 4 credits
BIOSC 320 Field Botany – 4 credits
BIOSC 406 & 407 Plant Tax - 4 credits
BIOSC 441 & 645 Ecology and lab – 5 credits
BIOSC446 & 447 Plant Ecology and lab - 5 credits
BIOSC 452 & 453 Plant Anatomy –3 credits
CH 201 Survey of Org. Chem - 4 credits
CH 223 & 227 Organic chemistry & Lab - 4 credits
GEN 302 Intro. Genetics - 4 credits
GEOL 101&103 Physical Geology - 4 credits
GEOL 112 & 114 Earth Resources – 4 credits
MICRO 305 General Microbiology - 4 credits
PHYS 122 &124 – Physics with calculus - 4 credits
PHYS 200 Introductory Physics & lab - 4 credits
PHYS 207 & 208 General Physics & lab – 4 credits

Applied Science Courses (choose at least 4 courses – 12 credits)

AGM 301 Soil and Water Conservation -3 credits
AGM 402 Irrigation and Drainage – 3 credits (Fall)
AGRIC 440 Microclimatology – 3 credits
CSENV 405 Plant Breeding - 3 credits
CSENV 407 Introductory weed science – 3 credits
CSENV 452 and 453 Soil Fertility - 3-4 credits
BIOSC 413 Restoration Ecology – 3 credits
EN SP 200 Introduction to Environmental Science – 3 credits
EN SP 471 Man and His Environment – 3 credits
EN SP 472 Environmental Planning and Control – 3 credits
ENT 300 Environmental Entomology – 3 credits
ENT 301 General Entomology - 4 credits
ENT 308 Apiculture – 3 credits
FOR 315 Woodland Ecology – 3 credits
FOR 308 Remote sensing – 2 credits
FOR 433 GPS applications – 3 credits
FOR 434 GIS systems - 3 credits
GEOL 300 Environmental Geology – 3 credits
IPM 401 Principles of Integrated Pest Mgmt. - 3 credits
PLPA 310 Plant Diseases and People - 3 credits
PLPA 406 Diseases of Turfgrass - 3 credits (Maymester)
PLPH 320 Plant Medicine and Magic - 3 credits
WFB 313 Conservation Biology – 3 credits
WFB 462 Wetland Wildlife Biology - 3 credits
WFB 412 Wildlife Management - 3 credits

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

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

Horticulture Specialization (choose 6 courses – 18 credits)

FOR 450 Woody Plant Stress Physiology - 3 credits
FOR 480 Selected topics in Urban Forestry – 1 – 3 credits
HORT 202 Selected Topics – 3 credits
HORT 208 Landscape Appreciation - 3 credits
HORT 212 Turfgrass Culture - 3 credits
HORT 308 Landscape Design - 4 credits
HORT 310 Growing Landscape Plants - 3 credits
HORT 400 – Special Topics 1-3 credits (maximum 3 credits)
HORT 406 Nursery Technology - 3 credits
HORT 408 Horticulture Discovery and Inquiry
HORT 412 Turf Management - 3 credits
HORT 427 Urban Tree Care - 3 credits
HORT 433 Landscape and Turf Weed Management - 3 credits
HORT 456 Vegetable Crops - 3 credits.
HORT 461 Prob. Landscape Design - 3 credits
HORT 465 Plant Molecular Biology -3 credits

Spanish Courses (choose 1 course – 3 or 4 credits)

SPAN 101 Elementary Spanish – 4 credits
SPAN 102 Elementary Spanish – 4 credits
SPAN 104 Basic Spanish– 4 credits
SPAN 202 Intermediate Spanish – 3 credits