

**TURFGRASS**  
**2005-2006**

**Freshman**

**First Semester**

BIOL 103 - General Biology I	4 hrs
HORT 101 – Horticulture	3 hrs
MTHSC 102 – Intro. to Math Analysis	3 hrs
Social Science Requirement <sup>1</sup>	6 hrs
	<hr/> 16 hrs

**Second Semester**

BIOSC 205 Plant Form/Function <i>and</i>	3 hrs
BIOSC 206 Plant Form/Function Lab <i>or</i>	1 hr
BIOL 104 –General Biology II	4 hrs
ENGL103 Accelerated Composition	3 hrs
HORT 102 Experience Horticulture	1 hr
MTHSC 101 – Essential Math	3 hrs
Arts & Humanities (Non-Lit) Requirement <sup>1</sup>	3 hrs
	<hr/> 14 hrs

**Sophomore**

**First Semester**

CH 101 General Chemistry <i>or</i>	4 hrs
CH 105 Beg. Gen. and Organic Ch. <sup>4</sup>	
HORT 212 Introduction to Turfgrass Cult.	3 hrs
HORT 213 Turfgrass Culture Lab	1 hrs
HORT 303 – Plant Materials	3 hrs
Oral Communications Requirement <sup>1</sup>	3 hrs
	<hr/> 14 hrs

**Second Semester**

CH 102 General Chemistry <i>or</i>	4 hrs
CH 106 Begin. Gen. and Organic Ch <sup>4</sup>	
Arts and Humanities (Lit) Requirement <sup>1</sup>	3 hrs
Business Requirement <sup>2</sup>	3 hrs
Social Science Requirement <sup>1</sup>	3 hrs
	<hr/> 13 hrs

**Summer**

HORT 271 Internship <i>or</i>	3 hrs
HORT 471 Advanced Internship <sup>3</sup>	

**Junior**

**First Semester**

CSENV 202 - Soils	4 hrs
Applied Science Requirement <sup>2</sup>	3 hrs
Business Requirement <sup>2</sup>	3 hrs
Spanish Language Requirement <sup>2</sup>	3 hrs
	<hr/> 13 hrs

**Second Semester**

BIOSC 401 Plant Physiology	3 hrs
BIOSC 402 Plant Physiology Lab	1 hr
HORT 409 Seminar	1 hr
HORT 420 Applied Turfgrass Physiology	2 hrs
Advanced Writing Requirement <sup>1</sup>	3 hrs
Laboratory Science Requirement <sup>2</sup>	4 hrs
	<hr/> 14 hrs

**Maymester**

PL PA (ENT) 406 Diseases and Insects of Turfgrasses	3 hrs
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**Senior**

**First Semester**

HORT 412 Advanced Turfgrass Management	3 hrs
HORT Specialization Requirement <sup>2</sup>	6 hrs
Laboratory Science Requirement <sup>2</sup>	4 hrs
Soils Requirement <sup>2</sup>	3 hrs
	<hr/> 16 hrs

**Second Semester**

HORT (CSENV) 433 Integrated Weed Mgt. for Agronomic and Horticultural Crops	3 hrs
Applied Science Requirement <sup>2</sup>	3 hrs
Business Requirement <sup>3</sup>	3 hrs
HORT Specialization Requirement <sup>2</sup>	3 hrs
Soils Requirement <sup>2</sup>	3 hrs
	<hr/> 15 hrs

**Total – 121 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 212/213. Prior approval is required for internships and a 2.0 is required for registration.
- <sup>4</sup> 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 – 8 credits must take course and lab)**

BIOCH 301 & Biochemistry & Lab - 4 credits (every semester)  
BIOSC 320 – Field Botany – 4 credits (Fall)  
BIOSC 406 & 407 Plant Tax - 4 credits (Fall)  
BIOSC 441 Ecology - 3 credits (Fall)  
BIOSC 446 Plant Ecology - 3 credits  
BIOSC 447 Plant Ecology Lab – 2 credits  
BIOSC 452 Plant Anatomy –3 credits  
BIOSC 453 Plant Anatomy and Morphology Lab - 2 credits  
CH 201 Survey of Org. Chemistry - 4 credits (Fall)  
CH 223 & 227 Organic chemistry & Lab - 4 credits (every semester)  
GEOL 101&103 Physical Geology - 4 credits (every semester)  
GEOL 112 & 114 Earth Resources – 4 credits  
GEN 302 Intro. Genetics - 4 credits (every semester)  
MICRO 305 General Microbiology - 4 credits (every semester)  
PHYS 200 Introductory Physics & LAB - 4 credits (every semester)  
PHY 122/124 Physics with Calculus  
Phys 207/208 General Physics &lab

**Applied Science –(choose at least 3 courses –9 credits)**

CSENV 405 Plant Breeding - 3 credits  
CSENV 407 Introductory Weed Science - 3 credits  
ENT 301 General Entomology - 4 credits  
ENT 401 Insects of Ornamentals - 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  
EN SP 315 Environment and Agriculture – 3 credits  
FOR 315 Woodland Ecology – 3 credits  
FOR 480 Selected topics in Urban Forestry – 1 – 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  
PLPH 320 Plant Medicine and Magic - 3 credits (Fall)  
WFB 313 Conservation Biology –3 credits (every semester)  
WFB 412 Wildlife Management - 3 credits  
WFB 462 Wetland Wildlife Biology - 3 credits

**Business, Communication and Leadership Courses ( 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 ECON courses 300 and higher  
All COMM 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

**Soils (choose at least 2 courses – 6 credits)**

AGM 301 Soil and Water Conservation – 3 credits (every semester)  
AGM 402 Irrigation and Drainage – 3 credits (fall)  
CSENV 403 Soil Genesis – 2 credits  
CSENV 408 Land Treatment – 3 credits  
CSENV 446 Soil Management – 3 credits  
CSENV 452/453 Soil Fertility and Lab – 3/4 credits  
CSENV 475 Soil Physics – 3 credits  
CSENV 490 Beneficial Soil Organisms – 3 credits

**Horticulture Specialization (choose at least 3 courses – 9 credits)**

HORT 202 or HORT 400 – Special Topics 1-3 credits –maximum 3 credits  
HORT 208 Landscape Appreciation - 3 credits (every semester)  
HORT 304 Annuals and Perennials – 3 credits  
HORT 305 Propagation – 3 credits (every semester)  
HORT 306 Propagation Lab Techniques – 1 credit (every semester)  
HORT 308 Landscape Design - 4 credits (Fall)  
HORT 310 Greenhouse Crop Physiology - 3 credits  
HORT 406 Nursery Technology - 3 credits  
HORT 408 Special Problems  
HORT 427 Urban Tree Care3 - 3 credits  
HORT 461 Prob. Landscape Design - 3 credits  
HORT 465 Plant Molecular Biology -3 credits  
FOR 450 Woody Plant Stress Physiology - 3 credits (Fall)

**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