

**TURFGRASS**  
**Curriculum Years**  
**2003-2004**  
**2004-2005**

**Freshman**

<b>First semester</b>		<b>Second semester</b>	
BIOL 103 - General Biology I	4 hrs	BIOL 104 – General Biology II or	
ENGL 101- Composition I	3 hrs	BIOSC 205/206 – Plant Form/Function	4 hrs
MTHSC 102 – Math Analysis	3 hrs	ENGL102 –Composition II	3 hrs
Computer Skills <sup>1</sup>	3 hrs	MTHSC 101 – Probability or	
HORT 101 – Horticulture	<u>3 hrs</u>	EX ST 301 - Statistics	3 hrs
	16 hrs	Humanities <sup>1</sup>	3 hrs
		Social Science <sup>1</sup>	<u>3 hrs</u>
			16 hrs

**Sophomore**

<b>First semester</b>		<b>Second semester</b>	
Oral Communication <sup>1</sup>	3 hrs	Writing intensive requirement <sup>1</sup>	3 hrs
CH 101- General Chemistry	4 hrs	CH 102 – General Chemistry	4 hrs
HORT 303 –Plant Materials	3 hrs	Business <sup>2</sup>	3 hrs
HORT 212/213 – Turfgrass Culture	<u>4 hrs</u>	Literature requirement <sup>1</sup>	3 hrs
	14 hrs	Social Science <sup>1</sup>	<u>3 hrs</u>
			16 hrs

**Summer**

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

**Junior**

<b>First semester</b>		<b>Second semester</b>	
CSENV 202 - Soils	4 hrs	Physical Science <sup>2</sup>	4 hrs
Plant Protection <sup>2</sup>	3 hrs	Plant Protection <sup>2</sup>	3 hrs
Elective	4 hrs	Life Science <sup>2</sup>	3 hrs
Physical Science <sup>2</sup>	<u>3 hrs</u>	BIOSC 401/402 Plant Phys.	4 hrs
	14 hrs	Business <sup>2</sup>	<u>3 hrs</u>
			17 hrs

**Senior**

<b>First semester</b>		<b>Second semester</b>	
HORT Specialization <sup>2</sup>	6 hrs	Elective	6 hrs
Life Science <sup>2</sup>	4 hrs	HORT Specialization <sup>2</sup>	3 hrs
HORT 412 – Advanced Turf Mgt.	3 hrs	HORT 420 Contemporary Issues in Turf	3 hrs
Soils course <sup>2</sup>	<u>3 hrs</u>	Soils Course <sup>2</sup>	<u>3 hrs</u>
	16 hrs		15 hrs

**Total – 127 hrs**

<sup>1.</sup> **University General Education Requirements**

<sup>2.</sup> **Departmental Requirements**

Thirty-one (31) credits must be taken from Physical Science, Life Science, Business, Plant Protection, and Soils course list with at least 2 courses from each category.

<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.**

**Physical Science Courses (choose at least 2 courses – 7 credits)**

BIOCH 210 & 211 Elem. Biochemistry & Lab - 4 credits (every semester)  
 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)  
 PHYS 200 Introductory Physics & LAB - 4 credits (every semester)  
 PHYS 240 Physics of Weather - 3 credits.

**Life Science Courses (choose at least 2 courses - 7 credits)**

AGRIC 440 Microclimatology – 3 credits  
 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  
CSENV 405 Plant Breeding - 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  
ENT 308 – Apiculture – 3 credits  
FOR 315 – Woodland Ecology – 3 credits  
FOR 450 Woody Plant Stress Physiology - 3 credits (Fall)  
FOR 480 – Selected topics in Urban Forestry – 1 – 3 credits  
GEN 302 Intro. Genetics - 4 credits (every semester)  
MICRO 305 General Microbiology - 4 credits (every semester)  
PLPH 320 Plant Medicine and Magic - 3 credits (Fall)  
WFB 313 Conservation Biology – 3 credits (every semester)  
WFB 462 Wetland Wildlife Biology - 3 credits  
WFB 412 Wildlife Management - 3 credits

**Business, Communication and Leadership Courses ( 2 courses – 6 credits)**

ACCT 200 Basic Accounting - 3 credits  
ACCT 201 Accounting Concepts I - 3 credits  
All AP EC 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  
SPCH 350 – Small group and team communication – 3 credits  
SPCH 460 – Communication and conflict management – 3 credits  
SPCH 480 – Intercultural Communication – 3 credits

**Plant Protection (choose at least 2 courses – 6 credits)**

CSENV 407 Introductory Weed Science - 3 credits  
ENT 301 General Entomology - 4 credits  
ENT 401 Insects of Ornamentals - 3 credits  
HORT 433 Integrated Weed Mgmt. - 3 credits  
IPM 401 Principles of Integrated Pest Mgmt. - 3 credits  
PLPA 301 Plant Pathology - 3 credits  
PLPA 402 Diseases of Ornamentals - 3 credits  
PLPA 406 Insects and Diseases of Turfgrass - 3 credits  
PLPA 458 Plant Parasitic Nematodes - 3 credits

**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 452/453 – Soil Fertility and Lab – 3/4 credits  
CSENV 490 – Beneficial Soil Organisms – 3 credits  
CSENV 403 – Soil Genesis – 2 credits  
CSENV 408 – Land Treatment – 3 credits  
CSENV 475 – Soil Physics – 3 credits  
CSENV 446 – Soil Management – 3 credits

**Horticulture Specialization (choose at least 3 courses – 9 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 461 Prob. Landscape Design - 3 credits  
HORT 465 Plant Molecular Biology -3 credits  
HORT 427 Arboriculture - 3 credits  
HORT 202 or HORT 400 – Special Topics 1-3 credits –maximum 3 credits  
HORT 408 Special Problems