

TURFGRASS
2009-2010

Freshman

First Semester

BIOL 103 - General Biology I	3 hrs
BIOL 105 General Biology Lab I	1 hr
HORT 101 – Horticulture	3 hrs
MTHSC 102 – Intro. to Math Analysis	3 hrs
Arts & Humanities (Non-Lit) Requirement ¹	3 hrs
Social Science Requirement ¹	3 hrs
	16 hrs

Second Semester

Laboratory Science Requirement ²	4 hrs
HORT 102 Experience Horticulture	1 hr
MTHSC 101 – Essential Math	3 hrs
ENGL103 Accelerated Composition	3 hrs
Social Science Requirement ¹	3 hrs
	14 hrs

Sophomore

First Semester

CH 105 Chemistry in Context I ⁴	4 hrs
Plant Biology Requirement ²	4 hrs
HORT 212 Introduction to Turfgrass Cult.	3 hrs
HORT 213 Turfgrass Culture Lab	1 hrs
HORT 303 – Landscape Plants	3 hrs
	15 hrs

Second Semester

CH 106 Chemistry in Context II ⁴	4 hrs
Applied Science Requirement ¹	3 hrs
Arts and Humanities (Lit) Requirement ¹	3 hrs
Business Requirement ²	3 hrs
Spanish Language Requirement ²	3 hrs
	16 hrs

Summer

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

First Semester

CSENV 202 - Soils	4 hrs
Applied Science Requirement ²	3 hrs
Elective	3 hrs
Business Requirement ²	3 hrs
	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	3 hrs
PL PA (ENT) 406 Diseases and Insects of Turfgrasses	2 hrs
HORT Specialization Requirement ²	3 hrs
Oral Communications Requirement ¹	3 hrs
	16 hrs

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PL PA (ENT) 408 Diseases and Insects of Turfgrasses Lab	1 hr
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Senior

First Semester

HORT 412 Advanced Turfgrass Management	3 hrs
HORT Specialization Requirement ²	3 hrs
Laboratory Science Requirement ²	4 hrs
Soils Requirement ²	3 hrs
	13 hrs

Second Semester

HORT (CSENV) 433 Landscape and Turf Weed Management	3 hrs
Applied Science Requirement ²	3 hrs
Business Requirement ³	3 hrs
HORT Specialization Requirement ²	3 hrs
Soils Requirement ²	3 hrs
	15 hrs

Total – 122 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 212/213. 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 301/302 Molecular Biochemistry – 4 credits
BIOSC 320 Field Botany – 4 credits
BIOSC 406/407 Introductory Plant Taxonomy – 4 credits
BIOSC 441/445 Ecology & Lab – 5 credits
BIOSC446/447 Plant Ecology - 5 credits
BIOSC 452/453 Plant Anatomy and Morphology –5 credits
CH 201 Survey of Organic Chemistry- 4 credits
CH 223/227 Organic Chemistry - 4 credits
GEN 300/301 Fundamental 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 I - 4 credits
PHYS 200 Introductory Physics - 4 credits
PHYS 207/209 General Physics I – 4 credits

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

CSENV 405 Plant Breeding - 3 credits
CSENV 407 Introductory Weed Science - 3 credits
ENT 301 Insect Biology and Diversity - 4 credits
ENT 401 Insect Pests of Ornamental Plants and Shade Trees - 3 credits
EN SP 200 Introduction to Environmental Science – 3 credits
EN SP 472 Environmental Planning and Control – 2 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 Management. - 3 credits
PLPA 310 Plant Diseases and People - 3 credits
PLPH 340 Plant Medicine and Magic - 3 credits
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 (choose at least 3 courses – 9 credits)

ACCT 201 Financial Accounting Concepts - 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, 401, 499 Executive Leadership and Entrepreneurship I, II, III

Soils (choose at least 2 courses – 6 credits)

AGM 301 Soil and Water Conservation – 2 credits
AGM 402 Drainage, Irrigation and Waste Management – 3 credits (fall)
CSENV 403 Soil Genesis and Classification – 2 credits
CSENV 408 Land Treatment of Wastewater and Sludges – 3 credits
CSENV 446 Soil Management – 3 credits
CSENV 452/453 Soil Fertility and Management with Lab – 3/1 credits
CSENV 475 Soil Physics and Chemistry – 3 credits
CSENV 490 Beneficial Soil Organisms in Plant Growth – 3 credits

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

HORT 202 or HORT 400 – Selected Topics 1-3 credits
HORT 208 Landscape Appreciation - 3 credits
HORT 304 Annuals and Perennials – 3 credits
HORT 305 Plant Propagation – 3 credits
HORT 306 Plant Propagation Techniques Laboratory – 1 credit
HORT 308 Landscape Design - 4 credits (Fall)
HORT 310 Growing Landscape Plants - 3 credits
HORT 406 Nursery Technology - 3 credits
HORT 408 Horticulture Discovery and Inquiry
HORT 427 Urban Tree Care - 3 credits
HORT 461 Problems in Landscape Design - 4 credits
HORT 465 Plant Molecular Biology -3 credits
FOR 450 Woody Plant Stress Physiology - 3 credits

Spanish Courses (choose at least 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

Plant Biology Requirement – 4 credits

BIOSC 304 Biology of Plants – 3 credits
BIOSC 308 Biology of Plants Lab – 1 credit