

TURFGRASS SCIENCE AND MANAGEMENT

CREDITS

Core Requirements of the Major

Biological Science

fall/spr	STOCKSCH 105	Soils (BS)	4
fall	STOCKSCH 108	Introductory Botany	4

Chemistry

fall	CHEM 110	General Chemistry (PS)	4
	OR	OR	OR
fall/spr	CHEM 111*	General Chemistry-Science (PS)	4
	<i>(*Students selecting Science focus should complete CHEM 111)</i>		

Ecosystems Studies

SELECT ONE OF THE FOLLOWING:

fall/spr	BIOLOGY 287	Introductory Ecology	3
fall	ENVIRSCI 101	Introduction to Environmental Science (BS)	4
spr	ENVIRSCI 214	Ecosystems, Biodiversity and Global Change	3
fall	NRC 100	Environment and Society (SI)	4

Integrative Experience

spr	NATSCI 494I	Global Issues in Applied Biology	3
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Junior Year Writing

fall/spr	NATSCI 387	CNS Junior Writing	3
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Math, Statistics and Reasoning

SELECT COURSE(S) FROM BOTH CATEGORIES 1 & 2:

1. Basic Mathematics (R1)

fall/spr	MATH 101	Precalculus Alg with Functions & Graphs	2
	AND	AND	AND
fall/spr	MATH 102	Analytic Geometry & Trigonometry (R1)	2
	OR	OR	OR
fall/spr	MATH 104	Algebra, Analytic Geometry, & Trig (R1)	3

2. Analytic Reasoning (R2)

fall/spr	RES-ECON 212	Introductory Statistics/Social Sciences (R2)	4
	OR	OR	OR
fall/spr	STATISTC 111	Elementary Statistics (R2)	4
	OR	OR	OR
fall/spr	STATISTC 240	Introduction to Statistics (R2)	3

Total Core Requirements 27-30

Major Requirements**Required Courses****Pest Management**

spr	STOCKSCH 101	Insects & Related Forms	2
	OR	OR	OR
fall	STOCKSCH 326	Insect Biology	3
spr	STOCKSCH 107	Turfgrass Insects	2
fall	STOCKSCH 505	General Plant Pathology	4

Plant Nutrition

SELECT ONE OF THE FOLLOWING:

fall	STOCKSCH 530	Plant Nutrition	4
spr	STOCKSCH 580	Soil Fertility	3

Plant Physiology

spr	STOCKSCH 384	Introduction to Plant Physiology	3
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Turf

fall	STOCKSCH 230	Introductory Turfgrass Management	4
spr	STOCKSCH 275	Turfgrass Physiology & Ecology	3
fall	STOCKSCH 310	Principles of Weed Management	3
spr	STOCKSCH 340	Advanced Turfgrass Management	3

Restricted Electives

CREDITS TAKEN TO SATISFY MAJOR REQUIREMENTS IN OTHER AREAS CANNOT BE COUNTED AS RESTRICTED ELECTIVES

SELECT 12 CREDITS MINIMUM FROM COURSES LISTED BELOW

AT LEAST 6 CREDITS AT OR ABOVE 500-LEVEL

MAXIMUM 6 CREDITS MAY BE TAKEN OUTSIDE THE MAJOR

fall/spr	BIOLOGY 311	General Genetics	3
fall	NRC 232	Principles of Arboriculture	3
fall/odd yrs	STOCKSCH 200	Plant Propagation	3
spr	STOCKSCH 234	Irrigation & Drainage	2
spr	STOCKSCH 240	Applied Calculations in Turf Management	2
spr	STOCKSCH 255	Herbaceous Plants	3
spr	STOCKSCH 510	Management and Ecology of Plant Diseases	3
fall	STOCKSCH 515	Microbiology of the Soil	3
fall	STOCKSCH 523	Plant Stress Physiology	3
fall	STOCKSCH 530	Plant Nutrition	4
spr	STOCKSCH 550	Plant Hormones and Applied Plant Physiology	3
spr	STOCKSCH 580	Soil Fertility	3
fall	STOCKSCH 587	Phyto/Bioremediation	3
spr	STOCKSCH 597M	Topics in Turf Pathology	2-3
fall	SUSTCOMM 335	Plants in Landscape	4

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Restricted Electives (cont.)

Focus

SELECT BUSINESS OR SCIENCE FOCUS:

1. Business Focus

SELECT FOUR COURSES IN BUSINESS

THESE COURSES SHOULD BE DISTRIBUTED ACROSS FOUR OF THE FIVE CATEGORIES (a-e) BELOW:

a. fall/spr	ACCOUNTG 221	Principles of Financial Accounting	3
	OR	OR	OR
spr	RES-ECON 324	Small Business Finance	3
b. fall/spr	ECON 103	Introduction to Microeconomics (SB)	4
	OR	OR	OR
fall/spr	ECON 104	Introduction to Macroeconomics (SB)	4
	OR	OR	OR
fall/spr	RES-ECON 102	Introductory Resource Economics (SB)	4
c. fall/spr	HT-MGT 260	Human Resource Mgt/Hospitality Industry	3
	OR	OR	OR
fall/spr	MANAGMNT 314	Human Resource Management	3
d. fall/spr	MANAGMNT 301	Principles of Management	3
e. fall/spr	MARKETNG 301	Fundamentals of Marketing	3

2. Science Focus

SELECT FOUR COURSES IN SCIENCE

CHOOSE ONE COURSE FROM EACH CATEGORY (a-d) BELOW:

a. fall/spr	BIOLOGY 151	Introductory Biology I (BS)	4
b. fall/spr	CHEM 112	General Chemistry-Science (PS)	4
c. spr	CHEM 250	Organic Chemistry	3
	OR	OR	OR
fall/spr	CHEM 261	Organic Chemistry	3
d. fall/spr	MATH 127	Calculus for the Life & Social Sciences I (R2)	3
	OR	OR	OR
fall/spr	MATH 131	Calculus I (R2)	4

Total Major Requirements 51-56

SUMMARY OF REQUIREMENTS

Total Core Requirements 27-30

Biological Science	8
Chemistry	4
Ecosystems Studies	3-4
Integrative Experience	3
Junior Year Writing	3
Math, Statistics and Reasoning	6-8

Total Major Requirements 51-56

Required Courses	27-29
Restricted Electives	24-27

Grand Total for Turfgrass Science and Management 78-86