

B.S. Integrated Plant Sciences
Turfgrass Management Major
Advising Sheet 2022-2023

University Common Requirements (UCORE):

34 credit minimum required, with no more than three, three-credit courses within the major.

First Year Experience (3 credits) [ROOT]	Credits	Term	Grade	Offered
HISTORY 105: Roots of Contemporary Issues	3			F, S, SS

Foundational Competencies (9 credits minimum)	Credits	Term	Grade	Offered
Written Communication (3) [WRTG]				
ENGLISH 101: Introductory Writing	3			F, S, SS
Communication (3) [COMM] [WRTG]				
H_D 205: Dev. Effective Com. or COM 102: Com. in Info. Soc.	3 - 4			F, S, SS
Quantitative Reasoning (3) [QUAN]				
STAT 212: Intro to Stat Methods	4			STAT 212: F, S, SS

Ways of Knowing (16 credits minimum)	Credits	Term	Grade	Offered
Inquiry in the Social Sciences (3) [SSCI]				
ECONS 101: Fund. Microecon. or ECONS 102: Fund. Macro.	3			F, S, SS
Inquiry in the Humanities (3) [HUM]				
Elective	3			F, S, SS
Inquiry in the Creative and Professional Arts (3) [ARTS]				
Elective	3			F, S, SS
Inquiry in the Natural Sciences (7 minimum) [BSCI] [PSCI] [SCI]				
Major requirement: BIOLOGY 106: Intro to Organismal	4			F, S, SS
CHEM 101: Intro to Chem	4			F, S, SS

Integrative and Applied Learning (6 credits minimum)	Credits	Term	Grade	Offered
Diversity (3) [DIVR]				
Elective	3			F, S, SS
Integrative Capstone (3) [CAPS]				
Elective	3			F, S, SS

Integrated Plant Sciences Core Requirements:

Course	Credits	Term	Grade	Offered
BIOLOGY 107: Intro to Cell Bio or BIOLOGY 120: Intro to Botany	4			BIOL 107: F, S, SS BIOL 120: F
CHEM 102: Chem Related to Life Sciences	4			S, SS
CROP_SCI/HORT 102: Cultivated Plants	3			F, S online
CROP_SCI/HORT 202: Crop Growth and Development	4			S
SOIL_SCI 201: Soil: A Living System	3			F, S
ENTOM 343: [M] General Entomology	3			F
ENTOM 351: Ecological & Integrated Pest Management	3			S
PL_P 429: General Plant Pathology	3			F
CROP_SCI 411: [M] Crop Environmental Interactions	3			F
CROP_SCI 495, 498, or 499: Professional Work Experience	3			F, S, SS

Turfgrass Management Major Requirements:

Course	Credits	Term	Grade	Offered
AGTM 315: Irrigation Systems & Water Management	3			F
AGTM 412: Human/Machine Risk Management	3			S
CROP_SCI 301: Turfgrass Management	3			F even
CROP_SCI 305: Ecology and Management of Weeds	3			F
CROP_SCI 401: [M] Turfgrass Science	3			S even
SOIL_SCI 441: Soil Fertility	3			S
SOIL_SCI 442: Soil Fertility Lab	2			S
CROP_SCI 412: Seminar	1			S
Major Electives (see list below)	9			F, S, SS

Select one course from each category:

Agricultural Technology & Production Management (3 credits):

AGTM 310: Small Engine Maintenance (3)(F); AGTM 314: Ag Power Units and Mobile Electrical Systems (3)(F); AGTM 416: Fluid Power Systems (3)(S)

Economics/Business (3 credits):

ACCTG 230: Intro to Financial Accounting (3)(F,S,SS); ECONS 350: Intro to Farm and Ranch Mgmt (3)(F); ECONS 352: Business Mgmt Econ (3)(S); MGMT 301: Principles of Management and Organization (3)(F,S,SS)

Crop Sciences/Horticulture (3 credits):

CROP_SCI 302: Forage Crops (3)(S odd); HORT 330: Landscape Plants for Urban and Community Environments (3)(F); HORT 331: Landscape, Plant Installation and Management (3)(S)

Open Electives:

Course*	Credits	Term	Grade	Offered

CHECK LIST FOR THIS MAJOR:

Writing in the Major (2 [M] courses)	
Writing Portfolio	
40 Upper Division credits	
UCORE	36-37 credits
IPS Core	33credits
Turfgrass Management Major	30 credits
Open Electives	22 credits
Total (at least 120 credits)	

NOTES:

Students may be admitted to the Turfgrass Management Major upon making their intention known to the department.

*Electives are chosen by the student and are needed to reach the minimum 120 credits to graduate.

Electives can be used towards a minor. Contact an advisor or the department for more information on courses for your minor interest.

Last Updated 3/18/2022

FOUR-YEAR PLAN

	Fall Semester	Hours	Spring Semester	Hours
First Year	CHEM 101 [PSCI] CROP_SCI/HORT 102 ENGLISH 101 [WRTG] H_D 205 or COM 102 [COMM]	4 3 3 3 or 4	CHEM 102 CROP_SCI/ HORT 202 HISTORY 105 [ROOT] Creative & Professional Arts [ARTS]	4 4 3 3
Second Year	BIOLOGY 107 or 120 [BSCI] Diversity [DIVR] SOIL_SCI 201 ECONS 101 [SSCI] Elective	4 3 3 3 3	BIOLOGY 106 STAT 205 OR STAT 212 [QUAN] Humanities [HUM] AGTM 412 Elective Complete Writing Portfolio	4 3 or 4 3 3 3
Third Year	AGTM 315 CROP_SCI 301 CROP_SCI 305 ECONS/BUSINESS Elective ¹ ENTOM 343 [M]	3 3 3 3 3	CROP_SCI/HORT Elective ² SOIL_SCI 441 SOIL_SCI 442 ENTOM 351 Elective	3 3 2 3 4
Summer Session	CROP_SCI 495, 498, or 499	3		
Fourth Year	CROP_SCI 411 [M] AGTM Elective ³ PL_P 429 Elective	3 3 3 6	CROP_SCI 412 CROP_SCI 401 [M] IPM 452 Integrative Capstone [CAPS] Elective	1 3 2 3 4

Footnotes

¹ ECONS/BUSINESS Elective (3 credits): ACCTG 230; ECONS 350, 352; MGMT 301; and/or consult with your advisor.

² CROP_SCI/HORT Elective (3 credits): CROP_SCI 302; HORT 330, 331; and/or consult with your advisor.

³ AGTM Elective (3 credits): AGTM 310, 314, 416; and/or consult with your advisor.