B.S. Plant Sciences - **Turfgrass Management Option** Effective Fall 2026

EL_EHTM_BS 120 Earned Credits Total

Student: _____ **ID No.:_____** **Advisor: _____**

I. GENERAL EDUCATION *(min 40 cr)*

	Course No.	Grade	Cr.
Knowledge			
A1. STEM	BIO 101		
A2. Social and Behavioral Sciences			
A3. Humanities			
A4. Arts and Design			
Competencies			
B1. Write effectively			
B2. Communicate effectively			
B3. Mathematical, statistical or computation			
B4. Information literacy			
Responsibilities			
C1. Civic knowledge & responsibilitiy			
C2. Global responsibilities			
C3. Diversity and inclusion			
Integrate & Apply			
D1. Ability to Synthesize			
Grand Challenge			
G. Grand Challenge Course			
Additional General Education Class			
Additional General Education Class			
Additional General Education Class			

*Course fulfills general education and a major requirement

II. PRE-PROFESSIONAL & BASIC SCIENCES *(28 credits required)*

Course Description:	Course No.	Grade	Cr.
A. Biology (8)			
Principles of Biology I *(BIO 101; 3cr)	BIO 101 (3)		
Principles of Biology I Lab *(BIO 103; 1cr)	BIO 103 (1)		
Principles of Biology II *(BIO 102; 3cr)	BIO 102 (3)		
Principles of Biology II Lab*(BIO 104; 1cr)	BIO 104 (1)		
B. Chemistry (4 cr)			
CHM *101 or *103 (3cr)			
CHM *102 (101 lab) or *105 (103 lab) (1cr)			
C. Plant Sciences (16 cr)			
Introductory Horticulture *(PLS150; 3cr, S/F)	PLS 150 (3)		
Plant Protection (PLS200; 4cr, F)	PLS 200 (4)		
Plant Propagation (PLS215; 3cr, S)	PLS 215 (3)		
Plant Breeding & Genetics (PLS250; 3cr, S)	PLS 250 (3)		
Applied Plant Biology (PLS255; 3cr, S)	PLS 255 (3)		
			0

Minimum Earned Credits for Graduation
Course Credits Required: 120
Course Credits Completed:

III. PROFESSIONAL CONCENTRATION *(min 30 cr)*

Course Description:	Course No.	Grade	Cr.	Off:
Suggested Concentration Courses:				
Introductory Entomology	ENT 385 (3)			*Alt. S*
Intro. to Soil Science	NRS 212 (4)			*F*
Plant Propagation Practicum	PLS 216 (2)			*S*
Landscape Management	PLS 306 (4)			*Alt. F*
Plant Pathology	PLS 332 (4)			*F*
Intro. Turf Management	PLS 341 (3)			*Alt. S*
Weed Science	PLS 361 (3)			*F*
Advanced Turf Management	PLS 442 (3)			*S*
Additional Concentration Courses^:				
_____				
_____				
_____				
_____				
_____				
_____				
			0	

IV. SUPPORTING ELECTIVES & EXPERIENTIAL LEARNING *(min 15 cr)*

Course Description:	Course No.	Grade	Cr.	Off:
*A. Supporting Electives^^*				
_____				
_____				
_____				
_____				
_____				
B. Experiential Learning				
Plant Sciences Internship I	PLS 399 (1-3)			*F, S*
Plant Sciences Internship II	PLS 399 (1-3)			*F, S*
Special Project/Independent Study	PLS 491 (1-3)			*F*
Special Project/Independent Study	PLS 492 (1-3)			*S*
Teaching Practicum in PLS	PLS 498 (1-3)			*F, S*
			0	

V. FREE ELECTIVES *(to meet 120 credit minimum requirement)*

Course Description:	Course No.	Grade	Cr.
_____			
_____			
_____			
_____			
			0

^In addition to the suggested courses any PLS or ENT course at the 300 or 400 level may count towards the 30 **concentration credits**, with the exception of courses listed under Experiential Learning. The following courses may also be used for concentration credit: BIO 311, BIO 321, BIO 346, NRS 301, NRS 323, NRS 412, NRS 426 and SAF 400G.

^^Supporting Electives may be any course offered by CELS, the College of Business or with prefix APG, CHM, CSC, ECN, or EEC. Other courses may apply if approved in advance by your faculty advisor.

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Sample 4 Year Plan
College of the Environment and Life Sciences

First Year *Fall* Semester

Course Code	Description	Cr	
URI 101	Planning for Academic Success	1	
*PLS 150	Plant Biology for Gardeners	3	
*BIO 101,103	Principles of Biology I, Lab	4	
	*General Education Course	3-4	
	*General Education Course	3-4	
		14-16	

First Year *Spring* Semester

Course Code	Description	Cr	
PLS 215/216	Plant Propagation & Practicum	3-5	
*BIO 102,104	Principles of Biology II, Lab	4	
CHM	Introductory Chemistry, Lab	4	
	*General Education Course	3	
	Supporting or Free Elective	3	
		17-19	

Year 1 Milestones: Earn 30 credits and a GPA of 2.0 or higher. Meet with your Advisor for ETHM option discussion.

Sophomore Year *Fall* Semester

Course Code	Description	Cr	
PLS 200	Plant Protection	4	
	Concentration Course	3-4	
	Concentration Course	3-4	
	*General Education Course	3-4	
		13-16	

Sophomore Year *Spring* Semester

Course Code	Description	Cr	
PLS 250	Plant Breeding and Genetics	3	
PLS 255	Applied Plant Biology	3	
	Concentration Course	3-4	
	Concentration Course	3-4	
	*General Education Course	3-4	
		15-18	

Year 2 Milestones: Earn 60 credits and a GPA of 2.0 or higher. Meet with your Advisor to discuss major, internships and research opportunities.

Junior Year *Fall* Semester

Course Code	Description	Cr	
	Concentration Course	3-4	
	Concentration Course	3-4	
	Concentration Course	1-3	
	Supporting or Free Elective	3-4	
	Supporting or Free Elective	3-4	
		13-19	

Junior Year *Spring* Semester

Course Code	Description	Cr	
	Concentration Course	3-4	
	Concentration Course	3-4	
	Concentration Course	1-3	
	Supporting or Free Elective	3-4	
	Supporting or Free Elective	3-4	
		13-19	

Year 3 Milestones: Earn 90 credits and a GPA of 2.0 or higher. Meet with your Advisor to prepare intent to graduate application for fall submission.

Senior Year Fall Semester

Course Code	Description	Cr	
	Concentration Course	3-4	
	Concentration Course	3-4	
	Concentration Course	3-4	
	Supporting or Free Elective	3-4	
	Experiential Learning	1-3	
		13-19	

Senior Year Spring Semester

Course Code	Description	Cr	
	Concentration Course	3-4	
	Concentration Course	3-4	
	Concentration Course	1-3	
	Supporting or Free Elective	3-4	
	Supporting or Free Elective	3-4	
		13-19	

Year 4 Milestones: Earn 120 credits and a GPA of 2.0 or higher in CUM and CON. Complete all remaining required courses.

Total Credits to Graduate = 120