

Student: \_\_\_\_\_

ID No.: \_\_\_\_\_

Advisor: \_\_\_\_\_

<b>I. GENERAL EDUCATION (min 40 cr)</b>			
<b>Knowledge</b>			
A1. STEM	Course No.	Grade	Cr.
A2. Social and Behavioral Sciences			
A3. Humanities			
A4. Arts and Design			
<b>Competencies</b>			
B1. Write effectively			
B2. Communicate effectively			
B3. Mathematical, statistical, computation			
B4. Information literacy			
<b>Responsibilities</b>			
C1. Civic knowledge & responsibility			
C2. Global responsibilities			
C3. Diversity and inclusion			
<b>Integrate &amp; Apply</b>			
D1. Ability to Synthesize			
<b>Grand Challenge</b>			
G. Grand Challenge Course			
Additional General Education Class			
Additional General Education Class			
Additional General Education Class			
Additional General Education Class			
*Course fulfills general education and a major requirement			

<b>II. PRE-PROFESSIONAL &amp; BASIC SCIENCES (29 credits required)</b>			
<b>A. Biology (8)</b>			
Principles of Biology I *(BIO 101/103; 3,1cr)	Course No.	Grade	Cr.
Principles of Biology II *(BIO 102/104; 3,1cr)			
<b>B. Chemistry (4 cr)</b>			
CHM *101/102 or *103/105 (3,1cr)			
<b>C. Plant Sciences (17 cr)</b>			
Introductory Horticulture *(PLS150; 3cr, S/F)			
Plant Protection (PLS200; 4cr, F)			
Plant Propagation (PLS215; 3cr, S)			
Plant Breeding & Genetics (PLS250; 4cr, S)			
Applied Plant Biology (PLS255; 3cr, S)			

**Approved for Graduation:**

Advisor: \_\_\_\_\_ Date: \_\_\_\_\_

<b>III. PROFESSIONAL CONCENTRATION (min 30 cr)</b>				
<b>Suggested Courses:</b>				
Introductory Entomology	Course No.	Grade	Cr.	Off:
Plant Pathology	ENT 385 (3)			Alt. S
Plant Propagation Practicum	PLS 332 (4)			S
Landscape Management	PLS 216 (2)			S
Power Units	PLS 306 (4)			Alt. F
Intro. Turf Management	PLS 322 (3)			Alt. S
Weed Science	PLS 341 (3)			Alt. S
Advanced Turf Management	PLS 361 (3)			Alt. F
	PLS 442 (3)			S
<b>Additional Optional Courses:</b>				
Greenhouse Management	PLS 331 (4)			Alt. F
Herbaceous Garden Plants	PLS 350 (3)			F
Landscape Plants I	PLS 353 (3)			F
Landscape Plants II	PLS 354 (3)			S
Fruit Culture	PLS 311 (3)			S
Fruit Culture Practicum	PLS 312 (2)			S
Landscape Design	PLS 320 (3)			S
Vegetable Crops	*PLS 324 (4)			F
Hydroponic and Greenhouse Veg. Prod.	PLS 325 (2)			S
Plant Sciences Seminar I	PLS 401 (1)			F
Plant Sciences Seminar II	PLS 402 (1)			S
Intro. to Soil Science	NRS 212 (4)			F

<b>V. EXPERIENTIAL LEARNING (up to 12 cr)</b>				
<b>Course Description:</b>				
Plant Sciences Internship I	Course No.	Grade	Cr.	Off:
Plant Sciences Internship II	PLS 399 (1-3)			F, S
Special Project/Independent Study	PLS 399 (1-3)			F, S
Special Project/Independent Study	PLS 491 (1-3)			F
Special Project/Independent Study	PLS 492 (1-3)			S

<b>V. SUPPORTING AND OTHER ELECTIVES (min 15 cr)</b>				
<b>Course Description:</b>				
_____	Course No.	Grade	Cr.	
_____				
_____				
_____				
_____				
_____				
_____				
_____				

**Course Credits Required:** 120  
**Course Credits Completed:**

**B.S. Plant Sciences-Turfgrass Management Option Effective Fall 2023**  
**Sample 4 Year Plan**  
**College of the Environment and Life Sciences**

**Freshman 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	
		<b>14-16</b>	

**Freshman 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	
		<b>17-19</b>	

**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	
		<b>13-16</b>	

**Sophomore Year *Spring* Semester**

Course Code	Description	Cr	
PLS 250	Plant Breeding and Genetics	4	
PLS 255	Applied Plant Biology	3	
	Concentration Course	3-4	
	Concentration Course	3-4	
	*General Education Course	3-4	
		<b>16-19</b>	

**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	
		<b>13-19</b>	

**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	
		<b>13-19</b>	

**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	
		<b>13-19</b>	

**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	
		<b>13-19</b>	

**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**

**Effective Fall 2023**