

# HORTICULTURE & URBAN AGRICULTURE

## 2023/2024 Four-Year Plan

This document is for planning purposes only. For official degree information, refer to Degree Audit and speak with your advisor.

<b>YEAR 1 • FALL</b>	PLSC 102 (F) The Science of Plants in Agriculture	3	<b>YEAR 1 • SPRING</b>	BIOL 115/115L Cells & Evolution of Life (CHEM 101 or 111)	4
	CHEM 101/101L or 111/111L Principles of Chemistry I <i>(Test Scores/CHEM 101/MATH 143)</i>	4		ELECTIVE General Education	3
	ELECTIVE Communication	2		ENGL 102 College Writing & Rhetoric <i>(Test Scores/ENGL 101)</i>	3
	ENGL 101 Introduction to College Writing <i>(Test Scores, ENGL 109)</i>	3		ELECTIVE Varies	3
	MATH 143, 160 or 170 Math Core <i>(Test Scores/MATH 108)</i>	3		ELECTIVE Varies	3
<b>TOTAL CREDITS</b>	<b>15</b>		<b>TOTAL CREDITS</b>	<b>16</b>	
<b>YEAR 2 • FALL</b>	SOIL 205/206 The Soil Ecosystem <i>(CHEM 111 or 101)</i>	4	<b>YEAR 2 • SPRING</b>	EPPN 154/155 Microbiology & the World Around Us	4
	ELECTIVE Horticulture	3		CHEM 275/276 Carbon Compounds <i>(CHEM 101 or 111)</i>	4
	ELECTIVE Varies	3		ELECTIVE Professional Support	3
	ELECTIVE General Education	3		PLSC 201 Principles of Horticulture <i>(PLSC 102)</i>	3
	<b>TOTAL CREDITS</b>	<b>13</b>		<b>TOTAL CREDITS</b>	<b>14</b>
<b>YEAR 3 • FALL</b>	ENGL 207, 313, 316 or 317 Varies <i>(ENGL 102; Sophomore or Junior)</i>	3	<b>YEAR 3 • SPRING</b>	AGED 406 (S) or 407 Exploring International Agriculture or Global Agricultural & Life Sciences Systems <i>(Junior/Senior, AGED 180, ASM 112 or Soil 205)</i>	3
	ENT 322 (F) General & Applied Entomology	4		ELECTIVE Varies	3
	ELECTIVE Varies	3		ELECTIVE Professional Support	3
	ELECTIVE Horticulture	3		PLSC 300 (S, Even Years) Plant Propagation <i>(PLSC 102, 201 or BIOL 115)</i>	3
	ELECTIVE General Education	3		PLSC 401 (S, Even Years) Plant Physiology <i>(PLSC 205)</i>	3
<b>TOTAL CREDITS</b>	<b>16</b>	<b>TOTAL CREDITS</b>	<b>15</b>		
<b>YEAR 4 • FALL</b>	PLSC 400 Seminar	1	<b>YEAR 4 • SPRING</b>	PLSC 438 (S) Pesticides in the Environment	3
	PLSC 398, 402 or 499 Internship, Research or Directed Study (variable credits) <i>(Permission)</i>	3		ELECTIVE Professional Support	3
	PLP 415 (F) Plant Pathology <i>(EPPN 154/155, PLSC 102)</i>	3		ELECTIVE Horticulture	3
	ELECTIVE Horticulture	3		ELECTIVE Varies	3
	ELECTIVE Professional Support	3		ELECTIVE Professional Support	3
	ELECTIVE General Education	3		<b>TOTAL CREDITS</b>	<b>15</b>
<b>TOTAL CREDITS</b>	<b>16</b>				

COURSE # Course Name *(Prerequisites, Co-Requisites)*

F = FALL, S = SPRING



# HORTICULTURE **URBAN** AGRICULTURE

Study topics like plant tissue culture and grafting; plant nutrition; production of flowers, fruits, shrubs trees and vegetables; hydroponics and much more while gaining practical experiences at on-campus plant science farms and computer-controlled greenhouses as you prepare to become a horticulture professional.

## Career **Options**

- Nursery or Greenhouse Manager
- Landscape Manager
- Plant Scientist
- Environmental Scientist
- Habitat Restoration Planner
- Sales Manager
- Golf Course Superintendent
- Propagation Supervisor



## Fast **Facts**

- Gain hands-on experience at campus plant science farms and greenhouses.
- Grow flowering crops and tropical plants to gain crop production and management experience.
- Visit nurseries, golf courses and top-of-the-line landscape installations.
- Complete an independent study or conduct an undergraduate research project.
- Get involved with the Plant and Soil Science Club, Hydroponics Club or Soil Stewards to network with potential employers.