

BACHELOR OF SCIENCE DEGREE in ENVIRONMENTAL HORTICULTURE

Environmental Horticulture
Total Credit Hours Required: 120
(Effective Fall 2024)

First Year - Fall		First Year - Spring	
CMJ 102 Fundamentals of Interpersonal Communication	3	ECO 120 Principles of Microeconomics	3
or		PSE Electives Credits	4
CMJ 103 Public Speaking	3	General Education: Cultural Diversity and International Perspectives	3
ELH 117 - First-Year Success Seminar	1	Minor Credits and/or General Elective	6
ENG 101 - College Composition	3		
MAT 116 – Introduction to Calculus	3		
PSE 100 - Plant Science ¹	4		
	14		16
Second Year - Fall		Second Year - Spring	
BMB 207 - Fundamentals of Chemistry	3	EES 140 - Soil Science	3
BMB 209 - Fundamentals of Chemistry Laboratory	1	EES 141 - Soil Science Laboratory	1
or		STS 132 - Principles of Statistical Inference	3
CHY 121 - General Chemistry I	3	PSE Electives	3
CHY 123 - General Chemistry Laboratory I	1	General Education: Artistic and Creative Expression	3
ECO 154 - Small Business Economics and Management	3	Minor Credits and/or General Electives	3
PSE 219 – Herbaceous Landscape Plants	3		
PSE Electives	3		
Minor Credits and/or General Electives	3		
	16		16
Summer			
1		PSE 396 - Field Experience	
Third Year - Fall		Third Year - Spring	
BIO 226 – Introduction to Insect Identification	1	PSE 410 - Plant Propagation	4
BIO 439 – Integrated Pest Management	3	PSE Electives	3
ENG 315 – Research Writing in the Disciplines	3	General Education: Western Cultural Tradition	3
or		Minor Credits and/or General Electives	5
ENG 317 - Business and Technical Writing	3		
PSE 221 - Woody Landscape Plants	4		
PSE Electives	3		
	14		15
Fourth Year - Fall		Fourth Year - Spring	
PHI 232 - Environmental Ethics	3	PSE 415 - Greenhouse Management	4
PSE 360 - Agroecology and Sustainable Cropping Systems	4	PSE 430 - SL: Sustainable Horticulture and Agriculture Capstone	3
or		PSE Electives	3
PSE 424 - Nursery Management (even yrs)	3	Minor Credits and/or General Electives	3
PSE 457 - Plant Pathology	4		
PSE Elective	1		
Minor Credits and/or General Electives	3		
	15		13

Notes: ¹C - or higher is required for EES 140/141 and all PSE courses.

Revised: May 8, 2024

Curriculum is updated annually and is subject to change.

PSE Electives

- PSE 105 – Principles of Sustainable Agriculture Credits: 3
- PSE 110 – Introduction to Horticulture Credits: 3
- PSE 203 – Weed Biology and Identification Credits 1
- PSE 210 – Digital Landscape Graphics Credits: 2
- PSE 215 – Vegetables and Fruit Production Credits: 3
- PSE 224 – Site Analysis, Grading, and Drainage Credits: 3
- PSE 227 – Landscape Design I Credits: 4
- PSE 261 - Nutrient Management Credits: 1
- PSE 263 - Plant Health Diagnostics Credits: 1
- PSE 265 - Soil Health for Farm Resilience and Climate Mitigation Credits: 1
- PSE 312 – Sustainable Food Systems: Challenges and Opportunities Credits: 3
- PSE 325 – Turf and Grounds Management Credits: 3
- PSE 328 – Landscape Design II Credits: 4
- PSE 397 – Special Topics in Plant, Soil, and Environmental Sciences Credits: 1
- PSE 403 – Weed Ecology and Management Credits: 3
- PSE 424 – Nursery Management Credits: 3
- PSE 425 – Landscape Management Credits: 3
- PSE 440 – Environmental Soil Chemistry and Plant Nutrition Credits: 3