

BACHELOR OF SCIENCE DEGREE in ENVIRONMENTAL HORTICULTURE

Sustainable Horticulture Concentration

Total Credit Hours Required: 120

(Effective Fall 2021)

First Year - Fall		First Year - Spring	
BIO 100 - Basic Biology	4	CMJ 102 - Fundamentals of Interpersonal Communication	3
ECO 120 - Principles of Microeconomics	3	or	
ENG 101 - College Composition	3	CMJ 103 - Public Speaking	3
NFA 117 - Issues and Opportunities	1	or	
PSE 100 - Plant Science	4	SFR 222 - Environmental Communication Skills	3
		ECO 254 - Small Business Economics and Management	3
		MAT 116 - Introduction to Calculus	3
		General Education: Cultural Diversity and International Perspectives	3
		General Elective	3
	15		15
Second Year - Fall		Second Year - Spring	
BMB 207 - Fundamentals of Chemistry	3	BMB 208 - Elementary Physiological Chemistry	3
BMB 209 - Fundamentals of Chemistry Laboratory	1	BMB 210 - Elementary Physiological Chemistry Laboratory	1
or		or	
CHY 121 - General Chemistry I	3	CHY 122 - General Chemistry II	3
CHY 123 - General Chemistry Laboratory I	1	CHY 124 - General Chemistry Laboratory II	1
PSE 215 - Vegetable and Fruit Production (odd yrs)	3	EES 140 - Soil Science	3
PSE 221 - Woody Landscape Plants	4	EES 141 - Soil Science Laboratory	1
STS 232 - Principles of Statistical Inference	3	General Education: Artistic and Creative Expression	3
		General Elective	4
	14		15
<i>Summer</i>			
	1	PSE 396 - Field Experience	
Third Year - Fall		Third Year - Spring	
BIO 327 - Introductory Applied Entomology	4	BIO 319 - General Ecology (Spring)	3
PSE 219 - SL: Herbaceous Landscape Plants	3	PSE 410 - Plant Propagation	4
PSE 424 - Nursery Management (even yrs)	3	PSE 415 - Greenhouse Management	4
SFR 439 - Biology of Woody Plants (even yrs)	3	General Elective	3
	13		14
Fourth Year - Fall		Fourth Year - Spring	
BIO 464 - Taxonomy of Vascular Plants	4	ENG 317 - Business and Technical Writing	3
PHI 232 - Environmental Ethics	3	PSE 430 - SL: Sustainable Horticulture and Agriculture Capstone	3
or		General Education: Western Cultural Tradition	3
General Education: Ethics	3	General Education: Population and the Environment	3
PSE 325 - Turf and Grounds Management (odd yrs)	3	General Elective	4
PSE 403 - Weed Ecology and Management (odd yrs)	3		
PSE 457 - Plant Pathology	4		
	17		16

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

Revised: May 9, 2021

Short Course Options

- PSE 216 - UMaine Greens Practicum Credits: 1
- PSE 260 - Pesticide Applicator Certification Credits: 1
- PSE 261 - Nutrient Management Credits: 1
- PSE 262 - Introduction to Cannabis Cultivation and Science Credits: 1
- PSE 263 - Plant Health Diagnostics Credits: 1
- PSE 264 - Introduction to Composting Credits: 1
- PSE 265 - Soil Health for Farm Resilience and Climate Mitigation Credits: 1
- PSE 266 - Small Fruit and Berry Production Credits: 1
- PSE 269 - So You Want to Farm in Maine Credits: 1