

BACHELOR OF SCIENCE DEGREE in SUSTAINABLE AGRICULTURE

Total Credit Hours Required:

120 (Effective Fall 2024)

First Year - Fall		First Year - Spring	
AVS 145 - Introduction to Animal Science	3	ENG 101 - College Composition	3
BIO 100 - Basic Biology	4	FSN 101 - Introduction to Food and Nutrition	3
ELH 117 - First-Year Success Seminar	1	MAT 116 - Introduction to Calculus	3
PSE 100 - Plant Science	4	PSE Elective	1
PSE 105 - Principles of Sustainable Agriculture	3	General Education: Cultural Diversity and International Perspectives	3
	15		13
Second Year - Fall		Second Year - Spring	
BMB 207 - Fundamentals of Chemistry	3	CMJ 102 - Fundamentals of Interpersonal Communication	3
BMB 209 - Fundamentals of Chemistry Laboratory	1	or	
or		CMJ 103 - Public Speaking	3
CHY 121 - General Chemistry I	3	ECO 154 - Small Business Economics and Management	3
CHY 123 - General Chemistry Laboratory I	1	EES 140 - Soil Science	3
PSE 215 - Vegetable and Fruit Production (odd yrs)	3	EES 141 - Soil Science Laboratory	1
STS 132 - Principles of Statistical Inference	3	PSE Elective	1
WLE 200 - Ecology	3	General Electives	4
or			
BIO 319 - General Ecology (Spring)	3		
General Education: Western Cultural Tradition	3		
	16		15
<i>Summer</i>			
	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 415 - Greenhouse Management	4
PHI 232 - Environmental Ethics	3	General Education: Artistic and Creative Expression	3
or		General Electives	4
General Education: Ethics	3		
PSE 203 - Weed Biology and Identification (even yrs)	1		
PSE 312 - Sustainable Food Systems (even yrs)	3		
PSE Elective	1		
General Elective	3		
	15		15
Fourth Year - Fall		Fourth Year - Spring	
BIO 452 - Plant Physiology	3	ENG 315 - Research Writing in the Disciplines	3
PSE 360 - Agroecology and Sustainable Cropping Systems (odd yrs)	4	or	
PSE 403 - Weed Ecology and Management (odd yrs)	3	ENG 317 - Business and Technical Writing	3
PSE 457 - Plant Pathology	4	PSE 430 - SL: Sustainable Horticulture and Agriculture Capstone	3
PSE Elective	1	PSE 440 - Environmental Soil Chemistry and Plant Nutrition (even yrs)	3
		General Elective	6
	15		15

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

PSE Elective Options

Choose at least 4 credits in this section:

- BIO 453 - Plant Physiology Laboratory Credits: 1
- 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 397 – Special Topics in Plant, Soil, and Environmental Sciences

Revised: May 8, 2024

Curriculum is updated annually and is subject to change.