

BACHELOR OF SCIENCE DEGREE in SUSTAINABLE AGRICULTURE

Total Credit Hours Required:

120 (Effective Fall 2023)

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
NFA 117 - First-Year Success Seminar	1	MAT 116 - Introduction to Calculus	3
PSE 100 - Plant Science	4	Short course #1	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	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	CMJ 102 - Fundamentals of Interpersonal Communication	3
STS 132 - Principles of Statistical Inference	3	or	
WLE 200 - Ecology	3	CMJ 103 - Public Speaking	3
or		ECO 154 - Small Business Economics and Management	3
BIO 319 - General Ecology (Spring)	3	EES 140 - Soil Science	3
General Education: Western Cultural Tradition	3	EES 141 - Soil Science Laboratory	1
		Short course #2	1
	16		15
<i>Summer</i>			
	1	PSE 396 - Field Experience	
Third Year - Fall		Third Year - Spring	
BIO 327 - Introductory Applied Entomology	4	PSE 410 - Plant Propagation	4
PHI 232 - Environmental Ethics	3	PSE 415 - Greenhouse Management	4
or		General Education: Artistic and Creative Expression	3
General Education: Ethics	3	General Elective	4
PSE 203 - Weed Biology and Identification (even yrs)	1		
PSE 312 - Sustainable Food Systems (even yrs)	3		
Short course #3	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
Short course #4	1	PSE 440 - Environmental Soil Chemistry and Plant Nutrition (even yrs)	3
		General Elective	3
		General Elective	3
	15		15

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

Revised: May 2, 2023

Short Course Options

Choose at least 4 credits in this section:

- AVS 267 - Swine Production Credits: 1 (Fall odd yrs)
- AVS 268 - Pasture Poultry Production Credits: 1 (Fall even yrs)
- BIO 453 - Plant Physiology Laboratory 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
- PSE 270 - Wild Blueberry Production Credits: 1