# Bachelor of Science Degree in Sustainable Agriculture

**Total Credit Hours Required:**
120 (Effective Fall 2023)

### First Year - Fall
- AVS 145 - Introduction to Animal Science: 3
- BIO 100 - Basic Biology: 4
- NFA 117 - First-Year Success Seminar: 1
- PSE 100 - Plant Science: 4
- PSE 105 - Principles of Sustainable Agriculture: 3

### First Year - Spring
- ENG 101 - College Composition: 3
- FSN 101 - Introduction to Food and Nutrition: 3
- MAT 116 - Introduction to Calculus: 3
- Short course #1: 1
- General Education: Cultural Diversity and International Perspectives: 3

### Second Year - Fall
- BMB 207 - Fundamentals of Chemistry: 3
- BMB 209 - Fundamentals of Chemistry Laboratory: 1
- CHY 121 - General Chemistry I: 3
- CHY 123 - General Chemistry Laboratory I: 1
- PSE 215 - Vegetable and Fruit Production (odd yrs): 3
- STS 132 - Principles of Statistical Inference: 3
- WLE 200 - Ecology: 3

### Second Year - Spring
- BMB 208 - Elementary Physiological Chemistry: 3
- BMB 210 - Elementary Physiological Chemistry Laboratory: 1
- CHY 122 - General Chemistry II: 3
- CHY 124 - General Chemistry Laboratory II: 1
- CMJ 102 - Fundamentals of Interpersonal Communication: 3
- General Education: Western Cultural Tradition: 3
- ECO 154 - Small Business Economics and Management: 3
- EES 140 - Soil Science: 3
- EES 141 - Soil Science Laboratory: 1
- Short course #2: 1

### Summer
- PSE 396 - Field Experience: 1

### Third Year - Fall
- BIO 327 - Introductory Applied Entomology: 4
- PHI 232 - Environmental Ethics: 3
- General Education: Ethics: 3
- PSE 203 - Weed Biology and Identification (even yrs): 1
- PSE 312 - Sustainable Food Systems (even yrs): 3
- Short course #3: 1
- General Elective: 3

### Third Year - Spring
- PSE 410 - Plant Propagation: 4
- PSE 415 - Greenhouse Management: 4
- General Education: Artistic and Creative Expression: 3
- General Elective: 4

### Fourth Year - Fall
- BIO 452 - Plant Physiology: 3
- PSE 360 - Agroecology and Sustainable Cropping Systems (odd yrs): 4
- PSE 403 - Weed Ecology and Management (odd yrs): 3
- PSE 457 - Plant Pathology: 4
- Short course #4: 1

### Fourth Year - Spring
- ENG 315 - Research Writing in the Disciplines: 3
- or
- General Education: Business and Technical Writing: 3
- General Elective: 3
- General Elective: 3

### Note:
A C- 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