

University of Vermont Agroecology and Landscape Design [Agriculture] Check List		
COURSE	CREDITS	TAKEN
CALS 001 Foundations <i>or</i> CALS 183 Communication Methods <i>or</i> SPCH 11 Effective Speaking	3	
CALS 002 Foundations <i>or</i> CALS 085 Computer Applications <i>or</i> CS 008 Intro. to Website Development	3	
ENGS 001 or equivalent	3	
Two University Approved Diversity Courses One D1 course is required plus either another D1 or a D2 course.	6	
Two 3-credit courses from arts and humanities (Art, Art History, Classics, Language, Literature, Music, Philosophy, Religion, Theatre, etc.)	6	
BIOL 001 Principles of Biology 1 or BCOR 011 (Grad Track)	4	
BIOL 002 Principles of Biology 2 or BCOR 012 (Grad Track)	4	
CHEM 023 General Chemistry <i>or</i> CHEM 031/032 (Grad Track)	4	
MATH 010 Pre-Calculus <i>or</i> MATH 019 <i>or</i> 021 Calculus 1 (Grad Track)	3	
NR 103 Ecology, Ecosystems & Environment <i>or</i> BCOR 102	3	
STAT 111 Elements of Statistics <i>or</i> STAT 141 Basic Statistical Methods (Grad Track)	3	
CDAE 061 Principles of Agricultural & Resource & Community Development	3	
PSS 021 Introduction to Agroecology	3	
PBIO 104 Plant Physiology	4	
PSS 138 Commercial Plant Propagation	4	
PSS 161 Fundamentals of Soil Science (SU*)	4	
PSS 162 Soil Fertility and Conservation	3	
PSS 190 Internship <i>or</i> PSS 209 Diversified Farm Operations (1-6)	1	
PSS 281 Professional Development	1	
Choose at least one: •PSS 010 + PSS 015 Home and Garden Horticulture + Lab <i>or</i> •PSS 037 Living Landscapes	3	
PSS 156 Permaculture	3	
PSS 172: Crop Breeding	4	
PSS 106 Entomology and Pest Management	4	
PSS 112 Weed Ecology and Management	3	
PSS 117 Plant Pathology	4	
PSS 212 Advanced Agroecology	4	
PSS 218 Agriculture Policy and Ethics	3	
Choose one course in entrepreneurship: •CDAE 166 Introduction to Community Entrepreneurship •PSS 208 Diversified Farm Planning	3	
Major electives - A minimum of 9 credits of approved course electives at level 100 or above. Students are allowed to substitute a course or independent study up to 3 credits of the 12 required if given prior approval by the student's advisor. Suggested electives: PSS 120 - Cold Climate Viticulture (summer); PSS 124 - Sustainable Vegetable Crop Production; PSS 127 - Greenhouse Operations & Mgmt; PSS 137 - Landscape Design Fundamentals; PSS 154 - Composting Ecology & Mgmt; PSS 209 - Diversified Farm Operations (summer); PSS 221 - Sustainable Orchard Management; PSS 232 - Biological Control; PSS 238 - Ecological Landscape Design; PSS 268 - Soil Ecology; PSS 269 - Soil/Water Pollution & Bioremediation	9	
Other elective courses	18	
Graduation Requirement	120	

Typical ALD, Agriculture Concentration Program			
Fall Semester 1 st Year		Spring Semester 1 st Year	
CALS 001 Communications Methods	3	CALS 002 Information Technology	3
BIOL 001 Principles of Biology	4	BIOL 002 Principles of Biology	4
CHEM 023 General Chemistry <i>or above</i>	4	PSS 021 Intro to Agroecology	3
PSS 010 +015 Home and Garden Horticulture <i>or</i> PSS 037 Living Landscapes	3-4	MATH 010 Pre-Calculus <i>or above</i>	3
		ENGS 001 <i>or equivalent</i>	3
Total Credits:	14-15	Total Credits:	16
Fall Semester 2 nd Year		Spring Semester 2 nd Year	
PSS 161 Fundamentals of Soil Science	4	PSS 138 Commercial Plant Propagation	4
NR 103 Ecology, Ecosystems & Environment	3	PSS 162 Soil Fertility and Conservation	3
CDAE 061 Principles of Comm Econ Dev	3	STAT 111 or 141	3
PSS 106 Entomology and Pest Management <i>or</i> PSS 112 Weed Ecology and Management <i>or</i> PSS 117 Plant Pathology	4	General Elective	3
		Major Electives	3
Total Credits:	14	Total Credits:	16
Fall Semester 3 rd Year		Spring Semester 3 rd Year	
PSS 106 <i>or</i> PSS 112 <i>or</i> PSS 117	4	PBIO 104 Plant Physiology	4
PSS 190 Internship	1	PSS 172 Crop Breeding	4
Major Electives	6	PSS 281 Professional Development	1
General Elective	3-6	General Electives	6
Total Credits:	14-17	Total Credits:	15
Fall Semester 4 th Year		Spring Semester 4 th Year	
PSS 212 Advanced Agroecology	4	PSS 218 Ag Policy and Ethics	3
PSS 106 <i>or</i> PSS 112 <i>or</i> PSS 117	4	PSS 208 Div Farm Operations <i>or</i> CDAE 166 Intro Comm Entrepreneurship	3
Major Electives	3	General Electives	6-9
General Electives	3-6		
Total Credits:	14-17	Total Credits:	12-15
<p>▪Major electives: PSS 120 - Cold Climate Viticulture (summer); PSS 124 - Sustainable Vegetable Crop Production; PSS 127 - Greenhouse Operations & Mgmt; PSS 137 - Landscape Design Fundamentals; PSS 143. Forage and Pasture Mgmt; PSS 154 - Composting Ecology & Mgmt; PSS 209 - Diversified Farm Operations (summer); PSS 221 - Sustainable Orchard Management; PSS 225. Eco Frontiers in Agroecology; PSS 232 - Biological Control; PSS 238 - Ecological Landscape Design; PSS 268 - Soil Ecology; PSS 269 - Soil/Water Pollution & Bioremediation</p> <p>PSS 156 may be taken in fall or spring semester.</p> <p>▪(Required) choose one of PSS 010 Home and Garden Horticulture (plus lab, PSS 015) or PSS 037 Living Landscapes.</p> <p>▪General Electives: Social Sciences (6 required); Fine Arts and Humanities (6 required); Diversity (6).</p>			

October, 2021