

University of Vermont Agroecology and Landscape Design [Agriculture] Check List		
COURSE	CREDITS	TAKEN
CALS 1010 Foundations <i>or</i> CALS 2830 Communication Methods	3	
CALS 1020 Foundations <i>or</i> CALS 1850 Computer Applications <i>or</i> CS 008 Intro. to Website Development	3	
ENGL 1001 <i>or</i> 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 1400 Principles of Biology 1 <i>or</i> BCOR 1400 (Grad Research Track)	4	
BIOL 1450 Principles of Biology 2 <i>or</i> BCOR 1450 (Grad Research Track)	4	
CHEM 1100 General Chemistry <i>or</i> CHEM 1400/1450 (Grad Research Track)	4	
MATH 1034 Pre-Calculus <i>or</i> MATH 1212 <i>or</i> Calculus 1234 (Grad Research Track)	3	
NR 2030 Ecology, Ecosystems & Environment <i>or</i> BCOR 2100	3	
STAT 1110 Elements of Statistics <i>or</i> STAT 1410 Basic Statistical Methods (Grad Research Track)	3	
CDAE 1610 Principles of Agricultural & Resource & Community Development	3	
PSS 1210 Introduction to Agroecology	3	
PBIO 2040 Plant Physiology	4	
PSS 2380 Commercial Plant Propagation	4	
PSS 2610 Fundamentals of Soil Science (SU*)	4	
PSS 2620 Soil Fertility and Conservation	3	
PSS 2991 Internship <i>or</i> PSS 3090 Diversified Farm Operations (1-6)	1	
PSS 2810 Professional Development	1	
Choose at least one: •PSS 1100 + PSS 1150 Home and Garden Horticulture + Lab (not required to take concurrently) <i>or</i> •PSS 1370 Living Landscapes	3 + 1 <i>or</i> 3	
PSS 2560 Permaculture	3	
PSS 2720: Crop Breeding	4	
PSS 2060 Entomology and Pest Management	4	
PSS 2120 Weed Ecology and Management	3	
PSS 2170 Plant Pathology	4	
PSS 3120 Advanced Agroecology	4	
PSS 3180 Agriculture Policy and Ethics	3	
Choose one course in entrepreneurship: •CDAE 2660 Introduction to Community Entrepreneurship •PSS 3080 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 2200 - Cold Climate Viticulture (summer) PSS 2240 - Sustainable Vegetable Crop Production; PSS 2270 - Greenhouse Operations & Mgmt; PSS 2370 - Landscape Design Fundamentals; PSS 2540- Composting Ecology & Mgmt; PSS 3090 - Diversified Farm Operations (summer); PSS 3210- Sustainable Orchard Management; PSS 3320 - Biological Control; PSS 3380 - Ecological Landscape Design; PSS 3680- Soil Ecology; PSS 3690 - Soil/Water Pollution & Bioremediation	9	
Other elective courses	17-18	
Graduation Requirement	120	

Typical ALD, Agriculture Concentration Program

Fall Semester 1st Year		Spring Semester 1st Year	
CALS 1010 Communications Methods	3	CALS 1020 Information Technology	3
BIOL 1400 Principles of Biology	4	BIOL 1450 Principles of Biology	4
CHEM 1100 General Chemistry <i>or above</i>	4	PSS 1210 Intro to Agroecology	3
ENGL 1001 <i>or equivalent</i>	3	MATH 1034 Pre-Calculus <i>or above</i>	3
		Social Science/Diversity Elective	3
Total Credits:	14	Total Credits:	16
Fall Semester 2nd Year		Spring Semester 2nd Year	
PSS 2610 Fundamentals of Soil Science	4	PSS 2380 Commercial Plant Propagation	4
NR 2030 Ecology, Ecosystems & Environment	3	PSS 2620 Soil Fertility and Conservation	3
CDAE 1610 Princ Comm Dev Econ	3	STAT 1110 or 1410	3
PSS 2060, 2120, or 2170	4	Fine Art and Humanities Elective	3
PSS Production & Mgmt Electives *	3-4	PSS Production & Mgmt Elective *	3-4
Total Credits:	17-18	Total Credits:	16-17
Fall Semester 3rd Year		Spring Semester 3rd Year	
PSS 2060, 2120, or 2170	4	PBIO 2040 Plant Physiology	4
Fine Art and Humanities Elective	3	PSS 2991 Internship	1
Social Science/Diversity Elective	3	PSS 2810 Professional Development	1
PSS Production & Mgmt Electives *	3-6	Fine Art and Humanities or Diversity Elective	3
		PSS Production & Mgmt Electives *	6-7
Total Credits:	13-16	Total Credits:	15-16
Fall Semester 4th Year		Spring Semester 4th Year	
PSS 3120 Advanced Agroecology	4	PSS 3180 Ag Policy and Ethics	3
PSS 2060, 2120, or 2170	4	PSS 23080 Div Farm Operations <i>or</i> CDAE 2660 Intro Comm Entrepreneurship	3
PSS Production & Mgmt Electives*	3	PSS Production & Mgmt Electives*	3-6
General Electives	3-6	General Electives	3-6
Total Credits:	14-17	Total Credits:	15-18
Suggested electives: PSS 2200 - Cold Climate Viticulture (summer); PSS 2240 - Sustainable Vegetable Crop Production; PSS 2270 - Greenhouse Operations & Mgmt; PSS 2370 - Landscape Design Fundamentals; PSS 2340 Forage and Pasture Mgmt; PSS 2540- Composting Ecology & Mgmt; PSS 3090 - Diversified Farm Operations (summer); PSS 3210- Sustainable Orchard Mgmt; PSS 3250 Eco Frontiers in Agroecology; PSS 3320 - Biological Control; PSS 3380 - Ecological Landscape Design; PSS 3680 - Soil Ecology; PSS 3690 - Soil/Water Pollution & Bioremediation; PSS 2560 - Permaculture (may be taken in fall or spring semester).			

March 2023