

<b>University of Vermont Agroecology Major Course Requirements Check List</b>		
<b>COURSE</b>	<b>CREDITS</b>	<b>TAKEN</b>
CALS 001/CALS 002 Foundations	6	
CALS 183 Communication Methods or SPCH 11 Effective Speaking (or CALS 001 Foundations)	3	
CALS 85 Computer Applications (or CALS 002 Foundations) or CS 008 Intro. to Website Development	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 Social Sciences <ul style="list-style-type: none"> <li>• CDAE 61 Principles of Agricultural &amp; Resource &amp; Community Development Economies or CDAE 166 Introduction to Agriculture &amp; Resource Entrepreneurship</li> <li>• CDAE 208 Ag. Policy and Ethics</li> </ul>	6	
Two 3-credit courses from arts and humanities (Art, Art History, Classics, Language, Literature, Music, Philosophy, Religion, Theatre, etc.)	6	
BIOL 1 Principles of Biology 1 or BCOR 011 (Grad Track) BIOL 2 Principles of Biology 2 or BCOR 012 (Grad Track)	4, 4	
CHEM 23 General Chemistry or CHEM 31/32 (Grad Track)	4	
CHEM 26 Organic Chemistry or CHEM 141/142 (Grad Track)	4	
ENGS 001, 050, HCOL 085, or equivalent	3	
MATH 10 Pre-Calculus or MATH 19 or 21 Calculus 1 (Grad Track)	3	
PSS 21 Introduction to Ecological Agriculture (SU*)	3	
PBIO 104 Plant Physiology	4	
NR 103 Ecology, Ecosystems & Environment or BCOR 102	3	
PSS 106 Entomology and Pest Management	4	
PSS 112 Weed Ecology and Management	3	
PSS 117 Plant Pathology	4	
PSS 138 Commercial Plant Propagation	4	
PSS 161 Fundamentals of Soil Science (SU*)	4	
PSS 162 Soil Fertility and Conservation	3	
PSS 208 Diversified Farm Planning	4	
PSS 212 Advanced Agroecology (SU*)	4	
PSS 281 Professional Development: ECAG/SLH	1	
STAT 111 Elements of Statistics or STAT 141 Basic Statistical Methods (Grad Track)	3 (4)	
PSS 190 Internship or PSS 209 Summer Farm Management (summer)	1 (6)	
Plant Production/Management Courses - A minimum of 9 credits of PSS course electives at level 100 or above. Students are allowed to substitute a course or independent study up to 3 credits of the 9 required if given prior approval by the student's advisor. See list of electives, next page	3 3 3	
Other elective courses	11-15	
Graduation Requirement (Students must get a C- or better in all courses required by the ECAG major)	120	
Students may choose to minor in Soils or in Sustainable Landscape Horticulture or consider taking courses in microbiology, genetics, animal science, business management, GIS mapping, and design to broaden their program. Note: Taking the "Plant and Soil Science Core Courses" and "Seminars/Internships" fulfills the criteria for the "Knowledge", "Skills", and "Values" of CALS' Core Curriculum. * SU courses satisfy the University "Sustainability" requirement.		

### Typical Agroecology Program

Fall Semester 1 <sup>st</sup> Year		Spring Semester 1 <sup>st</sup> Year	
CALS 001 Communications Methods	3	CALS 002 Information Technology	3
ENGS 001, 050, HCOL 085, or	3	BIOL 2 Principles of Biology	4
BIOL 1 Principles of Biology	4	CHEM 26 Organic & Biochemistry	4
CHEM 23 General Chemistry	4	PSS 21 Into to Ecological Agriculture	3
		MATH 10 Pre-Calculus	3
Total Credits:	14	Total Credits:	17
Fall Semester 2 <sup>nd</sup> Year		Spring Semester 2 <sup>nd</sup> 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 61 Ag Economics or CDAE 166 Intro to Ag Resource Entrepreneurship	3,3	PSS 117 Plant Pathology	4
Social Science/Diversity Electives	3	Fine Art and Humanities Elective	3
PSS Production & Mgmt Electives *	3-4	PSS Production & Mgmt Elective *	3-4
Total Credits:	16-17	Total Credits:	17-18
Fall Semester 3 <sup>rd</sup> Year		Spring Semester 3 <sup>rd</sup> Year	
PSS 106 Entomology & Pest Mgmt	4	PBIO 104 Plant Physiology	4
STAT 111 Elements of Statistics	3	PSS 190 Internship	1
Fine Art and Humanities Elective	3	PSS 281 Professional Development	1
Social Science/Diversity Elective	3	Fine Art and Humanities or Diversity Elective	3
PSS Production & Mgmt Electives *	3-4	PSS Production & Mgmt Electives *	6-7
Total Credits:	16-17	Total Credits:	15-16
Fall Semester 4 <sup>th</sup> Year		Spring Semester 4 <sup>th</sup> Year	
PSS 112 Weed Ecology and Management	3	CDAE 208 Ag Policy and Ethics	3
PSS 212 Advanced Agroecology	4	PSS 208 Diversified Farm Planning	3
PSS 209 Diversified Farm Operations (taken in summer, in lieu of electives) <i>or</i>	6	PSS Production & Mgmt Electives	6-9
Electives	6-8	General Electives	3-6
Total Credits:	13-15	Total Credits:	15-18
Some courses that may fulfill ECAG production and management electives requirements include: PSS 120 - Cold Climate Viticulture; PSS 124 - Sustainable Vegetable Crop Production; PSS 127 - Greenhouse Operations & Mgmt; PSS 137 - Landscape Design Fundamentals; PSS 154 - Composting Ecology & Mgmt; PSS 156 - Permaculture; PSS 196 - Crop Innovation & Breeding; PSS 221 - Sustainable Orchard Management; PSS 232 - Biological Control.			