

B.S. major in Agroecology**Catamount Core Curriculum****Credits*****LIBERAL ARTS**

Arts & Humanities: 6 credits from any of the following:	6
Social Sciences: 6 credits from S1 courses	0
Natural Sciences: 6 credits from N1 (no lab) or N2 (lab) courses	0
Mathematics: 3 credits from MA courses	0

CORE SKILLS

Quantitative & Data Literacy: 3 credits from QD courses	0
Writing & Information Literacy I: 3 credits from WIL1 courses	0
Writing & Information Literacy Tier 2: 3 credits from WIL2 -or- OC courses	0

COMMON GROUND VALUES

Diversity: 6 credits from D1 or D2 courses, including at least 3 D1 credits	6
Sustainability: 3 credits from SU courses	0
Global Citizenship: 3 credits from GC1 or GC2 courses	3

*Credits needed in excess of required courses for the major

CALS B.S. requirements**Credits**

CALS 1010 Foundations <i>or</i> CALS 2830 Communication Methods	3
CALS 1020 Foundations <i>or</i> CALS 1850 Computer Applications	3

Agroecology core (76 credits)**Credits****

ENGL 1001 Written Expression (FWIL1) or equivalent	3
BIOL 1400 Principles of Biology 1 (N2) <i>and</i> BIOL 1450 Principles of Biology 2 (N2) <i>or</i> BCOR 1400 Exploring Biology 1 (N2) <i>and</i> BCOR 1450 Exploring Biology 2 (N2)	8
CHEM 1100 Outline of General Chemistry with Lab (N2, QD) <i>or</i> CHEM 1400 General Chemistry I and CHEM 1450 General Chemistry 2 (N2, QD, 8 credits)	4
CHEM 1150 Outline of General Chemistry with Lab (N2, QD) <i>or</i> CHEM 1500 Organic Chemistry I and CHEM 1500 Organic Chemistry 2 (N2, QD, 8 credits)	4
MATH 1034 Pre-Calculus (QR) <i>or</i> MATH 1077 Exploring Modern Mathematics (QR) <i>or</i> MATH 1212 Fundamentals of Calculus (QR) <i>or</i> MATH 1234 Calculus I (QR)	3
NR 2030 Ecology, Ecosystems & Environment (N1) <i>or</i> BCOR 2100 (N2, SU)	3
STAT 1110 Elements of Statistics (QD, QR) <i>or</i> STAT 1410 Basic Statistical Methods (QD, QR)	3
CDAE 1610 Principles of Agricultural & Resource & Community Development (S1, SU)	3
ALE 1210 Introduction to Agroecology (SU, N1)	3


**University
of Vermont**

 College of Agriculture and Life Sciences
 Department of Agriculture, Landscape,
 and Environment

Agroecology core, cont. (76 credits)	Credits**
PBIO 2040 Plant Physiology (N2)	4
ALE 2380 Commercial Plant Propagation	4
ALE 2610 Fundamentals of Soil Science (SU)	4
ALE 2620 Soil Fertility and Conservation	3
ALE 2991 Internship	1
ALE 3100 Diversified Farm Operations (6 credits)	
ALE 2810 Professional Development	1
ALE 1100 + ALE 1150 Home and Garden Horticulture + Lab <i>or</i>	4
ALE 1370 Living Landscapes	
ALE 2060 Entomology and Pest Management	4
ALE 2120 Weed Ecology and Management	3
ALE 2170 Plant Pathology	4
ALE 3120 Advanced Agroecology	4
ALE 3080 Agriculture Policy and Ethics	3
ALE 3090 Diversified Farm Planning <i>or</i>	3
CDAE 2660 Introduction to Community Entrepreneurship	
** Credits reflect minimum for options presented to meet requirement	
Major electives: 12 credits of 2000-level or higher electives, including:	12
ALE 2200 Cold Climate Viticulture (summer)	
ALE 2240 Sustainable Vegetable Crop Production	
ALE 2270 Greenhouse Operations & Mgmt	
ALE 2370 Landscape Design Fundamentals	
ALE 2371 Landscape Design Studio	
ALE 2430 Forage and Pasture Management	
ALE 2560 Permaculture (N1, SU)	
ALE 2540 Composting Ecology & Mgmt	
ALE 2560 Permaculture	
ALE 3100 Diversified Farm Operations (summer)	
ALE 3210 Sustainable Orchard Management	
ALE 3320 Biological Control (QD, WIL2)	
ALE 3380 Ecological Landscape Design	
ALE 3610 Soil Morphology and Land Use	
ALE 3640 Chemistry of Soil & Water	
ALE 3680 Soil Ecology	
ALE 3690 Soil/Water Pollution & Bioremediation	
Credits required for major core and electives	94
Catamount Core credits unaccounted for in requirements	15
Total	109

