

## WHAT IS AGROECOLOGY?

Conversion of the world's natural landscapes for food production is draining irreplaceable resources. Farming and agriculture for the 21st century will need to pivot from long-accepted practices to a more sustainable use of our resources. Agroecology, seeks to integrate environmental science, ecology and community to grow food in a way that sustains people and the planet.

## WHY AGROECOLOGY AT UVM?

- Based in the College of Agriculture and Life Sciences, agroecology (formerly ecological agriculture) students are immersed in an interdisciplinary curriculum that spans food systems, environmental science, plant biology, soil science, and ecology.
- Make the outdoors your classroom at the UVM Horticultural Research and Education Center, home to our 97-acre working fruit and vegetable farm and UVM Farmer Training Program.
- Contribute to meaningful, community-oriented knowledge through undergraduate research with faculty and researchers working to improve agricultural systems locally and around the world.
- Vermont's diverse working landscape, small farms and thriving local food culture provide excellent opportunities for hands-on courses and internships.
- Gain critical skills for a sustainable future. Our graduates land rewarding careers as agricultural consultants, soil conservationists, farmers and growers, brewers, vintners, entrepreneurs, soil and water technicians, food security specialists, researchers and educators.



Students in PSS 212: Advanced Agroecology are working on long-term soil health projects in partnership with local farms around Vermont. They're led by a team of students in UVM's Agroecology Research Fellows program, which offers a unique, immersive opportunity for undergraduate students to join an international collaborative of agroecology researchers and build skills in leadership, communication and facilitation.



## CORE COURSES

### PSS 021

Intro to Agroecology

### PSS 106

Entomology & Pest Management

### PSS 138

Commercial Plant Propagation

### PSS 161

Soil Fertility & Conservation

### PSS 208

Diversified Farm Planning

### CDAE 208

Agricultural Policy & Ethics

## ELECTIVE COURSES

### PSS 120

Cold Climate Viticulture

### PSS 124

Agroecology of Vegetable Crops

### PSS 154

Composting Ecology & Management

### PSS 156

Permaculture

### PSS 196

Crop Innovation & Breeding

*Sampling of courses only.  
Explore more course options  
on our website.*



THE UNIVERSITY OF VERMONT  
**AGRICULTURE & LIFE SCIENCES**



## STUDENT SPOTLIGHT

Lizzy Holiman '20 loves to work outside. A double major in Ecological Agriculture and Food Systems, Holiman jumped at opportunities to get hands-on experience through internships and research as a UVM Agroecology Research Fellow.

Internships at Snow Farm Vineyard and Ellison Estate Vineyard in Vermont inspired an interest in viticulture and enology. The experiences led to a study abroad semester taking grapevine and wine science courses in Stellenbosch University in South Africa and a senior thesis project studying the impact of climate change on the Vermont wine industry.



## STUDENT OPPORTUNITIES

*CALS DISTINGUISHED  
UNDERGRADUATE  
RESEARCH PROGRAM*

*AGROECOLOGY RESEARCH  
FELLOWS PROGRAM*

*UVM HORTICULTURE CLUB*

*UVM BEEKEEPERS CLUB*

*CATAMOUNT FARM  
SUMMER PROGRAM*

*INTERNSHIPS WITH LOCAL  
FARMS AND BUSINESSES*

## ALUMNI IN ACTION

**"UVM added fuel to my passion for agriculture and its undeniable impact on the community. While the classes gave me the science, my professors, peers, and mentors gave me the guidance to take my knowledge into the world and make a difference."**

- Shelby Doggett '14, What Cheer Flower Farm



Shelby Doggett '14 has a passion for agriculture and education. In 2017, she co-founded What Cheer Farm, a nonprofit cut-flower farm in Providence, Rhode Island in order to grow, rescue and give away flowers to underserved people, including in hospitals and hospices, at-risk youth, and people in recovery centers and shelters.

Her efforts have earned her recognition as a "Rhode Islander of the Year" by *Rhode Island Monthly*.

## CONTACT

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