



The University of Vermont  
**SUMMER 2022**  
**UNDERGRADUATE**  
Funded Research Experience

*Agricultural Transition  
through Transformative Practices in Rural Economies*

**PROGRAM DESCRIPTION**

This 21-day summer research intensive will run from July 6 - July 27, 2022. Adopting a transdisciplinary approach, students will investigate systems of agricultural sustainability and community development.

Undergraduate students will explore the economic impact of the food and fiber through workshops and an immersive research experience. In addition to understandings the specific application of and potentials of industrial hemp, students will gain transferable skills related to basic research, production, processing, opportunity recognition, problem solving, prototyping, and commercialization.

Workshops introduce theories of change through transition design, link methods of innovation from design thinking, expose students to material applications, data analysis and visualization, and emphasize collaboration and communication.

Field experiences focus on production and cultivation of industrial hemp at various levels of scale through trips to regional farms, processing and production facilities, and retail outlets.

Research experiences test soil samples, assess varieties and market classes, grow hemp in tissue culture, sequence DNA, process fibers, prototype bioproduct-to-paper, and utilize survey methods to design, collect, analyze and report consumer data.

# APPLICATION DEADLINE MARCH 15

***The University of Vermont is excited to be the host institution for the USDA sponsored Research and Extension Experiential Undergraduate Learning Fellowship (REEU) program.***

This project will fund 15 undergraduate students from US institutions, representing diverse academic backgrounds. Fellows will be provided an opportunity to conduct pathbreaking interdisciplinary research on the cultural, economic and scientific roles of the agricultural transition toward industrial hemp production.



United States  
Department of  
Agriculture

National Institute  
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