2020 Sustainability ISRE Student Application

Application for the 2020 Sustainability Intercollegiate Summer Research Experience (off-campus research)

Please complete all fields below.

Select the Sustainability Intercollegiate Summer Research Experience opportunities you are applying for:

NOTE: Students may apply for more than one opportunity

☐ AUBURN UNIVERSITY Location: Auburn, AL Research Project: Field Crop Integrated Pest Management Mentor: Dr. Katelyn Kesheimer // Project description: Dr. Kesheimer in the Department of Entomology and Plant Pathology at Auburn University will be advising a student researcher on a project that accommodates the student’s interests as it relates to sustainable agriculture in Alabama’s grain crops. Potential projects include state surveys for the invasive brown marmorated stink bug in corn or hedgehog aphid in wheat and exploring their associated natural enemy complex as potential pest suppression tactics. The student will have opportunities to interact with grower cooperators, stakeholder groups, industry representatives, and others involved in the agriculture industry. The goal is to provide research-based information to Alabama growers and promote environmentally sustainable options for insect control.

☐ LOUISIANA STATE UNIVERSITY Location: Baton Rouge, LA Research Project: Environmental and Water Resource Economics and Policy Mentor: Dr. Jerrod Penn // Project description: The student project this summer will focus on the adoption of forest certification and wildlife habitat improvement practices among Louisiana homeowners. The student will be involved with survey development, focus groups with stakeholders, data collection/analysis and write-up. Opportunities for experience in honey bees or native pollinator conservation may also arise.

☐ NEW MEXICO STATE UNIVERSITY Location: Las Cruces, New Mexico Research Project: Integrated Pest Management Mentor: Dr. Amanda Skidmore // Project description: TBD

☐ UNIVERSITY OF CALIFORNIA-RIVERSIDE Location: Riverside, CA Research Project: Urban Water Conservation Mentor: Dr. Mehdi Nemati // Project description: Inspired by interdisciplinary collaboration, this research project blends theoretical and empirical economic modeling to inform water policy and water management discussions. This project aims to create a comprehensive water utility level database of water consumption, prices, pricing structure in California and evaluate the credibility and sensitivity for estimates of the price elasticity of urban water demand under different sets of demand assumptions. The UGSR will assist on data collection and statistical modeling as well as writing reports. During this project, there would be opportunities to interact with government agencies, stakeholder groups, and private industry with a focus on promoting sustainable and cost-effective strategies for addressing water-related issues, such as water scarcity/drought. In addition, there would be opportunities to engage with the UCR School of Public Policy faculties and students working in many different areas of public policy such as: environmental sciences, water, sustainable suburban development, energy and transportation, poverty and economic
development, agriculture and biotechnology, health, immigration, crime and justice studies, education, and cultural studies.

UNIVERSITY OF DELAWARE Location: Newark, Delaware Research Project: Social Networks and Oyster Consumption Mentor: Dr. Kelly Davidson // Project description: This study aims to understand the impact of social networks and peer influence on the consumption of oysters, an eco-friendly food. Using a framed experiment, we will identify the extent to which individuals adjust consumption preferences based on peers’ preferences for oysters. Undergraduate researchers will gain experience collecting primary data and coordinating a framed field experiment.

STUDENT INFORMATION

- First Name ________________________________________________
- Last Name ________________________________________________
- Student ID # (without the 9) ________________________________________________
- Birthdate (mm/dd/yyyy) ________________________________________________
- E-mail Address ________________________________________________
- Major ________________________________________________

ENROLLMENT STATUS

- Freshman
- Sophomore
- Junior
- Senior


**GENDER** - Please select the gender that you identify with.

- Male
- Female
- Other
- Prefer Not to Answer

**RACE/ETHNICITY** (For statistical reporting purposes only). Please pick one or more of the options below.

- Alaskan Native
- American Indian
- Asian American
- Black, Non-Hispanic
- Filipino
- Foreign National
- Hawaiian
- Hispanic/Latino
- Other ____________________________
- Pacific Islander
- Two or more
- White, Non-Hispanic
- Prefer Not to Answer

Expected date of graduation (mm/yyyy)

__________________________________________
Are you the first person in your family to earn a college degree?

- Yes
- No

Will you be returning to the University of Kentucky in Fall 2020 as a full-time undergraduate student?

- Yes
- No

Are you also applying for the 2020 Summer Sustainability Research Fellowship on UK’s campus?

- Yes
- No

**ESSAY** - In 400 words or less explain your long term career goals, why you wish to participate in this program, your research interests and experiences, and the strengths you can bring to the program.
RELEVANT COURSES COMPLETED
Please list all relevant college level courses you have completed at the time of application, including science and math courses.

☐ Course 1 Title ____________________________________________
☐ Course 1 Grade ____________________________________________

☐ Course 2 Title ____________________________________________
☐ Course 2 Grade ____________________________________________

☐ Course 3 Title ____________________________________________
☐ Course 3 Grade ____________________________________________

☐ Course 4 Title ____________________________________________
☐ Course 4 Grade ____________________________________________

☐ Course 5 Title ____________________________________________
☐ Course 5 Grade ____________________________________________

☐ Course 6 Title ____________________________________________
☐ Course 6 Grade ____________________________________________

☐ List any additional relevant courses taken and grades here:
   ________________________________________________________

PREVIOUS RESEARCH EXPERIENCE  (select ALL that apply)

☐ Research project(s) as part of a class, lab, field work, etc.

☐ Research as an assistant to someone else

☐ Independent research at an REU site

☐ Independent research NOT at an REU site

☐ Other research experience: __________________________________________________
UK FACULTY SPONSOR INFORMATION

○ First Name ________________________________________________

○ Last Name ________________________________________________

○ E-mail Address ________________________________________________

○ College __________________________________

○ Department ________________________________________________

During the period of the project, will the applicant apply for funding through any additional means (UK programs, grants, external funding, etc.), and/or is funding already in place for the applicant by any other source?

○ Yes

○ No

Display This Question:
If During the period of the project, will the applicant apply for funding through any additional means... = Yes

Please list the source(s) and projected or established amount(s) here.

________________________________________________________________
________________________________________________________________
________________________________________________________________
________________________________________________________________
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Upon submission of the "2020 UK Sustainability Intercollegiate Summer Research Experience" please email the following to UGResearch@uky.edu:

(2) Letters of Recommendation from faculty who are familiar with your work
PHOTO RELEASE FORM

I agree to have photos taken of me and used for promotional purposes for the University of Kentucky Office of Undergraduate Research and Undergraduate Education. I will allow pictures of my research or creative project to be used for the same purpose. By entering my name below, I agree to the statement above.

☐ I Agree - Please type your full legal name: ________________________________________________

☐ I do not agree

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ELECTRONIC SIGNATURE

If awarded a Sustainability Research Fellowship, I agree to submit a mid-summer report and a final report on my summer project. I will register for and present my work at the Showcase of Undergraduate Scholars in April 2021.

By clicking yes below, I agree to devote at least eight weeks to full-time work on the project. If I cannot meet these criteria, I will contact the Office of Undergraduate Research (ugresearch@uky.edu) explaining my circumstances.

☐ Yes - Please type your full legal name: ________________________________________________

☐ No

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Please note that by selecting "Next" you are submitting all final information for your Sustainability Research Fellowship application. If you need to review your information, please do so at this time.

End of Block: Default Question Block