



RESEARCH EXPERIENCES FOR UNDERGRADUATES IN TAMPA BAY



REU Site: Program in Interdisciplinary Approaches to Climate Change Adaptation Research and Training (PIACCART) Summer 2024

Apply Online at

<https://www.usf.edu/arts-sciences/departments/geosciences/undergraduate/reu.aspx>

REU Site at USF

In the summer of 2024, ten undergraduate students will have the chance to take part in the first year of the research experience for undergraduates (REU) site based at the University of South Florida (USF). This will give them the chance to gain interdisciplinary research experience on climate change adaptation as well as a better understanding of the challenges that the United States and the rest of the world are facing in this area. The REU Program will inspire and empower participants through, designed to enable the students to build a solid foundation in the climate change adaptation field early in their career.



Funding and Benefits

The National Science Foundation (NSF) will provide each student researcher with a stipend of \$5,400 and will cover all housing costs and round-trip travel expenses



The REU Sites Program is supported by the National Science Foundation

Time and Place

The USF St. Petersburg campus will host the nine-week program (May 27th – July 26th). In order to prepare students for climate change adaptation research at the upper levels and later graduate programs and careers in climate change adaptation research fields, our goal is to draw on the breadth of faculty expertise across different disciplines (interdisciplinary knowledge and skills) at USF. An interdisciplinary approach allows individual disciplines to substantiate knowledge gaps within the broader field of climate change adaptation research.



The REU Programs' activities will be divided into three interdisciplinary modules that make use of various instruments and methods required to comprehend the multi-systemic phenomenon of climate change and create practical adaptation strategies:

Applications due by February 1st, 2024

Our REU Site program uses interdisciplinary techniques that enable students to carry out supervised research in the following areas*:

- ❖ **Analysis of Climate Change Adaptation and Resilience Themes:** Students will learn to analyze environmental themes in social media, speech acts, written texts, cultural artifacts, humanistic/expressive culture, everyday objects, and current events. This will include robust training in close reading, inductive coding, grounded theory, eco-criticism, multi-scalar analysis, and applied social science research dissemination.
- ❖ **Climate Change and Contaminant-linked Human Health Effects:** Students will learn about the effects of climate change on contaminant-linked human health effects. Specifically, students will investigate the negative effects on population groups in the Tampa Bay area most vulnerable to the rapidly changing climate including the elderly, infants, children, and urban poor.
- ❖ **Climate Change Adaptation Strategies in the Tampa Bay Area:** Students will learn about racial and ethnic minority communities in the Tampa bay area, which are more at risk of the extreme effects of climate change. Students will investigate and understand their resiliency needs, and discuss benefits of climate justice for the communities.

- ❖ Collaborative interdisciplinary mentored research project.
- ❖ seminar on scientific writing-communication and climate change adaptation research methods and tools.
- ❖ professional development workshops with a focus on graduate school application process and selection of postgraduate programs with a focus on climate change adaptation.

*Subject to change