

## Geoscience Undergraduate Research Opportunities

Summer 2021

(Listed in order of when applications are due, soonest first)

**Name:** REU Nanotechnology for Health, Energy and the Environment

**Location:** SUNY Stony Brook, Long Island NY (in person)

**Description:** The multidisciplinary Research Experiences for Undergraduates (REU) program at Stony Brook University has a focus on the application of nanotechnology and nanomaterials to societal needs in health, energy, and the environment.

**Dates:** June 1 – August 7, 2021 (10 weeks)

**Support:** \$6,000 stipend and travel allowance

**Application Deadline:** February 1<sup>st</sup> for top priority, rolling admission thereafter

**Information Website:** <https://www.stonybrook.edu/commcms/cie/reu/>

**Contact:** Rosalia Davi (rosalia.davi@stonybrook.edu)

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**Name:** Research Experiences for Alpine Meteorology

**Location:** University of Utah

**Description:** The Research Experience in Alpine Meteorology (REAM) will rely on the natural scientific laboratory provided by the nearby Wasatch Mountains and adjacent urban areas to enhance student awareness of societal challenges, such as water availability and air quality, that require understanding the influence of alpine terrain on weather and climate processes.

**Dates:** June 1 – August 6, 2021 (10 weeks)

**Support:** \$6,000 stipend, housing, and travel allowance

**Application Deadline:** February 12, 2021

**Information Website:** [https://atmos.utah.edu/get\\_involved/reu](https://atmos.utah.edu/get_involved/reu)

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**Name:** Lamont Doherty Earth Observatory Summer Research Experience

**Location:** Lamont Doherty Earth Observatory of Columbia University, Palisades NY

**Description:** Applicants should have an interest in conducting research in the Earth, Ocean, Atmospheric and Environmental Sciences.

**Dates:** June 3 – August 5, 2021 (10 weeks)

**Support:** \$6,000 and housing

**Application Deadline:** February 18, 2021

**Information Website:** <https://www.ldeo.columbia.edu/education/programs/summer-internship/lamont-summer-intern-program>

**Contact:** Dallas Abbott [dallashabbott@gmail.com](mailto:dallashabbott@gmail.com), 845-596-1131

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**Name:** SMAG REU

**Location:** Florida Institute of Technology (in person)

**Description:** Department of Mathematical Sciences and Ocean Engineering & Marine Sciences will host undergraduate students from around the U.S. Students participate in Statistical Models with Applications to Geoscience research program and learn the skills necessary for a successful scientific career.

**Dates:** May 17- July 10, 2021 (8 weeks)

**Support:** \$5000 stipend, free housing, and travel allowance

**Application Deadline:** March 1, 2021

**Information Website:** <https://research.fit.edu/smag-reu/>

**Contact:** Dr. Nezamoddin Kachouie ([nezamoddin@fit.edu](mailto:nezamoddin@fit.edu))

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**Name:** Summer Internships at NASA

**Location:** NASA centers throughout the US, including GISS (Goddard Institute for Space Studies), New York, NY

**Description:** NASA internships and fellowships leverage NASA's unique missions and programs to enhance and increase the capability, diversity and size of the nation's future science,

technology, engineering and mathematics (STEM) workforce. Internships are available from high school to graduate level. Internships provide students with the opportunity to participate in either research or other experiential learning, under the guidance of a mentor at NASA.

For NASA GISS opportunities/projects lookup following projects:

- Atmospheric Rivers in a Changing Climate
- Characterizing the Urban Land Surface Temperature via an Innovative, Multi-Platformed Suite of Satellite and Ground-Based Remote Sensing Technologies
- Climate Change in the Hudson Estuary — Past, Present, and Future
- Earth Observation Applications for Resiliency: Assessing Climate Change Impacts in Urban, Agricultural, and Natural Environments

Must be U.S. Citizen.

**Dates:** varies according to project. Summer internships are usually 10 weeks

**Support:** varies according to project

**Application Deadline:** March 5, 2021 (for GISS)

**Information Website:** <https://intern.nasa.gov/>

**Contact:** [nasa-internships@mail.nasa.gov](mailto:nasa-internships@mail.nasa.gov)

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**Name:** REU in Renewable Energy Generation and Storage at Binghamton University

**Location:** SUNY Binghamton (in person)

**Description:** This (REU) program in Renewable Energy Generation and Storage will address important scientific, technological, and training needs in the energy sector with research opportunities ranging from battery materials to photovoltaics and energy efficient systems.

**Dates:** May 30 – August 6, 2021 (10 weeks)

**Support:** \$6,000, housing and up to \$500 travel allowance

**Application Deadline:** March 15, 2021

**Information Website:** <https://www.binghamton.edu/physics/undergraduate/reu/index.html>

**Contact:** [energyreu@binghamton.edu](mailto:energyreu@binghamton.edu)

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**Name:** NSF REU: Research Opportunities for Community College Students

**Location:** Queensborough Community College, Queens NY (remote)

**Description:** Students do research in various physics-based disciplines including geophysics.

Preference given to community college students and must be 1<sup>st</sup> or 2<sup>nd</sup> year.

**Dates:** June 1 – August 5, 2021 (10 weeks)

**Support:** \$5000 stipend and travel allowance

**Application Deadline:** March 31, 2021

**Information Website:** <https://www.qcc.cuny.edu/physics/reu.html>

**Contact:** Dr. David Lieberman (dlieberman@qcc.cuny.edu)