**Funding Sources and Research Opportunities**

**in Atmospheric Science**

**Research Opportunities**

**Ernest F. Hollings Scholarship**

Deadline: 31 January 2017

Website: <http://www.noaa.gov/office-education/hollings-scholarship>

Eligibility:

* full-time second year student in a four-year academic program or full-time third year student in a five-year undergraduate program
* earn and maintain a 3.0 grade point average on a 4.0 scale (or equivalent on other identified scale)
* have and maintain a declared major in a discipline including, but not limited to, oceanic, environmental, biological, and **atmospheric sciences**, mathematics, engineering, remote sensing technology, physical and social sciences including geography, physics, hydrology, geomatics, or teacher education

Benefits:

* Scholarship (up to $9,500 per year)
* Paid ($700/week) 10-week summer internship at a NOAA office of your choice
* Housing stipend for summer internship (~$200/week)
* Travel funds to attend both the NOAA Scholarships Orientation week and the Science Symposium in Silver Spring, MD
* Travel funds for 2 conferences to present your research from the internship

Alumni:

* Josh Alland ([jalland@albany.edu](mailto:jalland@albany.edu)), Sarah Ditchek ([sditchek@albany.edu](mailto:sditchek@albany.edu)), Matt Vaughan ([mvaughan@albany.edu](mailto:mvaughan@albany.edu)), Casey Peirano ([cpeirano@albany.edu](mailto:cpeirano@albany.edu)), Pamela Eck ([peck@albany.edu](mailto:peck@albany.edu)), Macy Howarth ([mehowarth@albany.edu](mailto:mehowarth@albany.edu))

**Significant Opportunities in Atmospheric Research and Science (SOARS)**

Deadline: TBD (usually late January or early February)

Website: [http://www.soars.ucar.edu/http://www.soars.ucar.edu/](http://www.soars.ucar.edu/)

Eligibility:

* sophomore or older undergraduate students (have at least one semester of undergraduate studies remaining after the initial summer)
* cumulative GPA of 3.0 or higher
* major in **atmospheric science** or a related field such as the geosciences, biology, chemistry, computer science, earth science, engineering, environmental science, mathematics, meteorology, oceanography, physics, or social science
* member of an underrepresented community within the atmospheric sciences (other special situations such as economic limitations may also be considered)

Benefits:

* 10-week summer internship at the National Center for Atmospheric Research (NCAR), University Colorado at Boulder, or National Oceanic and Atmospheric Administration (NOAA) in Boulder, CO
* Summer stipend
* School funding
* Travel funds to attend scientific meetings
* Can participate up to four summers or until MS degree is obtained

Alumni:

* Erin Dougherty ([edougherty2@albany.edu](mailto:edougherty2@albany.edu)), Rosimar Rios-Berrios ([rrios-berrios@albany.edu](mailto:rrios-berrios@albany.edu)),

Briah’ Davis ([bdavis3@albany.edu](mailto:bdavis3@albany.edu))

**Research Experience for Undergraduates (REUs)**

Deadline: Multiple dates (usually February or March)

Website: <http://www.nsf.gov/crssprgm/reu/list_result.cfm?unitid=10020>

Eligibility:

* Depends on the requirements of specific site, sponsor and project.
* Most of the opportunities will require a major on a specific field of study and a minimum GPA of 3.0.

Benefits:

* summer internship at a research facility or university

Alumni:

* Alicia Bentley ([ambentley@albany.edu](mailto:ambentley@albany.edu)), Casey Peirano ([cpeirano@albany.edu](mailto:cpeirano@albany.edu)), Travis Elless ([telless@albany.edu](mailto:telless@albany.edu)), Pamela Eck ([peck@albany.edu](mailto:peck@albany.edu))

**National Weather Center REU**

Deadline: TBD (usually early February)

Website: <http://www.caps.ou.edu/reu/>

Eligibility:

* Currently a 1st through 3rd year undergraduate in a 4-year program
* US citizen or permanent resident

Benefits:

* 10-week summer internship at Norman, Oklahoma with a $5000 stipend
* Housing provided and travel to/from Norman covered
* Up to $1500 funding for national conference travel

Alumni:

* Tomer Burg ([tburg@albany.edu](mailto:tburg@albany.edu)), Massey Bartolini ([mbartolini@albany.edu](mailto:mbartolini@albany.edu))

**Science Undergraduate Laboratory Internship (SULI)**

Deadline: TBD (usually January)

Website: <http://science.energy.gov/wdts/suli/>

Eligibility:

* Undergraduate student with at least a cumulative GPA of 3.0
* Must be 18 years old and a U.S. citizen
* Must be currently enrolled as a full-time undergraduate student and also have completed at least one year as a matriculating undergraduate student at the time of applying

Benefits:

* 10-week summer internship or 16-week semester internship at DOE laboratory
* $5000 stipend and one round-trip travel reimbursement if permanent address is more than 50 miles from site;
* Host laboratories provide enrichment activities, including career professional development workshops, laboratory tours, scientific lectures and seminars

**Hobart and William Smith Colleges Undergraduate Research Opportunities Program**

Deadline: TBD (usually late January or early February)

Website: (Application will be emailed)

Eligibility:

* Undergraduate students (first-year through graduating senior) working toward a degree in meteorology, **atmospheric sciences**, geoscience, physical geography or other related degree program are encouraged to apply.
* Background coursework in meteorology is essential.
* Prior experience with meteorological data, radar analysis, weather models, statistical methods, GIS, and established computer skills would be beneficial, but is not necessary.
* Applicants should have excellent oral and written communication skills and be willing to work both within a group setting and independently.

Benefits:

* 8-week internship
* $4,400 salary ($550 per week)

Alumni:

* Pamela Eck ([peck@albany.edu](mailto:peck@albany.edu)), Alicia Bentley ([ambentley@albany.edu](mailto:ambentley@albany.edu)), Macy Howarth ([mehowarth@albany.edu](mailto:mehowarth@albany.edu)), Lauriana Gaudet ([lgaudet@albany.edu](mailto:lgaudet@albany.edu))

**NASA Student Airborne Research Program**

Deadline: TBD (usually early February)

Website: http://www.nserc.und.edu/sarp

Eligibility:

* U.S. citizens by birth or naturalization
* Full-time students in a 4-year degree granting institution in the U.S.
* Preference to rising seniors, but applications will be considered from outstanding current seniors and rising juniors
* **Science**, Technology, Engineering or Mathematics major
* Interest in Earth system science and research

Benefits:

* Stipend: $5000, travel allowance, free housing and local transportation
* 8-week summer internship at the University of California, Irvine and at the NASA’s Armstrong Flight Research Center in Palmdale, CA
* Hands-on research experience including flying on board a NASA aircraft

**Earth System Modeling and Education Institute**

Deadline: TBD (usually early February)

Website: <http://esmei.colostate.edu/reu.html>

Eligibility:

* sophomore or older undergraduate students
* cumulative GPA of 3.0 or higher
* have an interest in learning about climate and weather
* have a major in **atmospheric science** or a related field such as meteorology, geosciences, chemistry, computer science, earth science, engineering, environmental science, mathematics or physics

Benefits:

* 10-week summer internship, Stipend, professional development training

Alumni:

* Rachael Coons ([rcoons@albany.edu](mailto:rcoons@albany.edu))

**NASA DEVELOP Internship**

Deadline: (Multiple Dates)

Website:<http://develop.larc.nasa.gov/>

Eligibility:

* At least 18 years of age
* Ability to provide personal transportation to and from the DEVELOP location
* Strong interest in earth science and remote sensing
* U.S. citizenship is required to apply to DEVELOP locations at NASA Centers
* Cumulative 3.0 GPA or higher (on 4.0 scale)
* Either currently-enrolled undergraduate or graduate student, individuals who have graduated with a degree within the last two years, or “individuals transitioning to a new career field, who are pursuing further experience in the Earth sciences and remote sensing”

Benefits:

* 10-week paid summer internship (stipend varies with education level)
* Personal and professional development training
* Work with NASA science mentor leveraging current NASA products and remote sensing instruments
* Gain experience in group research projects, including development of a scientific poster and paper

Alumna: Emily Morgan ([emorgan@albany.edu](mailto:emorgan@albany.edu))

**NASA One Stop Shopping Initiative**

Deadline: Varies (Spring 2017)

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

Eligibility:

* Depends on the requirements of specific site, sponsor and project.
* Most of the opportunities will require a major on a specific field of study and a minimum GPA of 3.0.

Benefits: summer internship at a NASA facility, scholarships or fellowships

**Scholarships**

**AMS Senior Named Undergraduate Scholarships**

Deadline: 3 February 2017

Website:<https://www.ametsoc.org/ams/index.cfm/information-for/students/ams-scholarships-and-fellowships/ams-senior-named-scholarships/>

Eligibility:

* Junior undergraduate students (will be senior next Fall semester)
* Major in the atmospheric or related sciences
* Cumulative GPA of 3.25

Benefits:

* Scholarship (up to $2,000 - $10,000)
* Travel funds to attend the AMS Annual Meeting

Alumni:

* Dr. Brian Tang ([btang@albany.edu](mailto:btang@albany.edu)), Josh Alland ([jalland@albany.edu](mailto:jalland@albany.edu)), Alicia Bentley ([ambentley@albany.edu](mailto:ambentley@albany.edu)), Ernesto Findlay ([efindlay@albany.edu](mailto:efindlay@albany.edu)), Casey Peirano ([cpeirano@albany.edu](mailto:cpeirano@albany.edu)), Rosimar Rios-Berrios ([rrios-berrios@albany.edu](mailto:rrios-berrios@albany.edu)), Sarah Ditchek ([sditchek@albany.edu](mailto:sditchek@albany.edu))

**Society of Exploration Geophysicists Scholarships**

Deadline: 1 March 2017

Website: <http://seg.org/Scholarships>

Eligibility:

* Attending high school and planning to enter college next fall or
* An undergraduate or graduate college student whose grades are above average.

Benefits:

* Ranges from $500 to $14,000 USD per academic year; average awards are approximately $2,500.
* Number of scholarships depends upon the number of sponsors and the amounts they contribute

Alumna: Sarah Ditchek ([sditchek@albany.edu](mailto:sditchek@albany.edu))

**NWA Scholarships (various)**

Deadline: Varies

Website: <http://nwas.org/scholarship-grants/>

Eligibility:

* Undergraduate and graduate students
* Some scholarships require an interest on a specific topic within **meteorology**

Benefits:

* Scholarship (up to $1,000 - $2,500)
* Free NWA membership

Alumni:

* Josh Alland ([jalland@albany.edu](mailto:jalland@albany.edu)), Rosimar Rios-Berrios ([rrios-berrios@albany.edu](mailto:rrios-berrios@albany.edu)), Lauriana Gaudet ([lgaudet@albany.edu](mailto:lgaudet@albany.edu))