

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), Sarah Ditchek (sditchek@albany.edu), Matt Vaughan (mvaughan@albany.edu), Casey Peirano (cpeirano@albany.edu), Pamela Eck (peck@albany.edu), Macy Howarth (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/>

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), Rosimar Rios-Berrios (rrios-berrios@albany.edu), Briah' Davis (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), Casey Peirano (cpeirano@albany.edu), Travis Elless (telless@albany.edu), Pamela Eck (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), Massey Bartolini (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), Alicia Bentley (ambentley@albany.edu), Macy Howarth (mehowarth@albany.edu), Lauriana Gaudet (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)

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)

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), Josh Alland (jalland@albany.edu), Alicia Bentley (ambentley@albany.edu), Ernesto Findlay (efindlay@albany.edu), Casey Peirano (cpeirano@albany.edu), Rosimar Rios-Berrios (rrios-berrios@albany.edu), Sarah Ditchek (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)

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), Rosimar Rios-Berrios (rrios-berrios@albany.edu), Lauriana Gaudet (lgaudet@albany.edu)