



*Mentors for this REU come from the University of Oklahoma, NOAA, and Partner Organizations on the University Research Campus*

## **Real-World Research Experiences for Undergraduates at the National Weather Center**

# **APPLICATION FORM**

***Dates: May 25 – July 31, 2015***

*Alternate dates are possible if your school is on the quarter system.*

Learn to do research by conducting your own unique study! Each participant has at least one mentor from one of the University of Oklahoma, NOAA, or partner organizations. We build a sense of family by learning and reflecting together through workshops, field trips, seminars, tours, and a variety of social activities.



**Stipend:** \$5,600

**Subsistence:** \$600 (to help with food costs; included in first check)

**Travel to/from Norman:** up to \$600

**National Conference Travel:** up to \$1,500

**Housing:** provided in furnished campus apartments

### **Eligibility:**

You must be enrolled in a 2 or 4-yr undergraduate degree program through the summer of 2015 (not taking classes, but not graduated) and be a US citizen or permanent resident. If you are between a 2 and 4-yr institution you are eligible if enrolled to complete an undergraduate degree. Applications from women and minorities are particularly encouraged. The University of Oklahoma is an equal opportunity institution.

**Questions?** Check the FAQ (<http://www.caps.ou.edu/reu/application-faq.html>), then contact the director, Dr. Daphne LaDue, at either [dzaras@ou.edu](mailto:dzaras@ou.edu) or 405-325-1898 if you still have questions.

## **National Weather Center Research Experiences for Undergraduates (REU) Program**

### **Instructions:**

#### **Compile the following:**

- 1. Applicant Information Page**
- 2. Answers to the "Items to Compile" (page 3).** Please use short headings to label your answers.
- 3. Your transcripts.**
  - Be sure they are on official paper / from your registrar's office.
  - You may pick them up yourself ("issued to student") and include them with this material.
  - The transcript from your current institution should show your grades through the fall of 2014.
  - *\*\*Include all transcripts from all higher education institutions you have attended.... unless courses transferred include grades (rare).*
- 4. (Optional)Your current résumé.**

**Give your references each a copy of the form on the last page.**

**Submit your application by February 6,  
2015. Mail to:**

Dr. Daphne LaDue  
NWC REU Program  
120 David L. Boren Blvd., Suite 2500  
Norman, Oklahoma 73072  
Ph: 405-325-1898



## National Weather Center REU Application Form

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### Contact Info:

Your Name \_\_\_\_\_

Are you a US citizen or Permanent Resident of the US? (circle) **Yes No**

Daytime Phone (cell?): \_\_\_\_\_ E-mail: \_\_\_\_\_

**Your Permanent Address:** \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

### Academics:

List all colleges/universities attended, starting with your current institution and working backward in time:

Names of all Colleges/Universities Attended <i>(Be sure to send all transcripts! Transcripts must be on official paper from your registrar's office. They can either be sent directly or "issued to student.")</i>	City/State of School	Years Attended

The year and month you expect to graduate: \_\_\_\_\_

Your degree type (e.g. BA, BS, AS): \_\_\_\_\_ Your major: \_\_\_\_\_

Cumulative GPA: \_\_\_\_\_ GPA in-major: \_\_\_\_\_

### How did you hear about our program? Check all that apply, or write in your answer:

\_\_\_ my professor, advisor, or academic department

\_\_\_ past participant

\_\_\_ NSF REU Site Search

\_\_\_ Internet search

\_\_\_ www.PathwaysToScience.org or Institute for Broadening Participation (IBP)

\_\_\_ at a conference (circle: LSAMP conference, AMS Annual Meeting, Other: \_\_\_\_\_)

\_\_\_ Other: \_\_\_\_\_

**Sharing Applications:** I have been developing relations with directors of similar programs. May I share your application with similar opportunities here or elsewhere? **Yes / No / Contact Me First**

## **National Weather Center Research Experiences for Undergraduates Application Form**

### **Items to Compile:**

*Instructions:* Start a word processor document and put your name and preferred contact (phone or email) at the top. Type the headings shown below before each of your responses. Please use plain paper.



### **List courses you will take during the spring of 2015.**

### **Extracurricular activities or hours worked/week.**

This is an opportunity for you to share things about you that help us see you as a whole person. If you have a heavy work schedule and little time for these, tell us about your work instead.

### **List skills relative to research.**

Please list any skills you have that you believe are relevant to research. Include computer programming and software experience. For each, estimate your skill level (e.g. minimal, novice, proficient, advanced). This information helps us build cohort with a wide range of skills.

### **Previous research experience, if any.**

*Do not include class projects.* Previous research is NOT required or expected. Please include: when, where, mentor's name(s), how many hours/week for how many months, and whether you wrote a paper or gave a presentation on the work.

### **Short Essay #1 [250–300 words]:**

**What do you find interesting about weather and/or climate?** Please include any connections you can see with your coursework or other interests.

### **Short Essay #2 [250–300 words]:**

REU programs are dedicated to enhancing the diversity of future scientific communities and sharing our science with a broader audience. **Please describe how you, based on your personal background and life experiences (including social, cultural, familial, educational, or other opportunities or challenges) will contribute to this mission during and after participation in our REU program.**

### **Any concerns or comments you have.**

Please include any comments or concerns. If you are enrolled in a school that uses the quarter system, please let us know the earliest date you can be available.

### **References**

List the names and affiliations of the two professors or professionals that you have asked to write a letter of recommendation.

## National Weather Center Research Experiences for Undergraduates Recommendation Form

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DEAR REFERENCE:

**About the program:**

The National Weather Center REU program is designed to provide talented undergraduate students an opportunity to try their hand at scientific research. We are seeking students who have demonstrated characteristics necessary to be successful in a physical or social science graduate degree program, or career in science education but have *not yet had* a full REU-like experience (e.g. student-led research, paper, and presentation). REUs are funded by the National Science Foundation. The aims of REU programs are described succinctly under "I. Introduction" and "II. Program Description" on the following: <http://www.nsf.gov/pubs/2012/nsf12569/nsf12569.htm>

**What we seek from professors/scientists:**

Please attach a written evaluation of your student and his/her potential for participation in a physical or social science research project. Include your assessment of their readiness to take initiative while respecting and following guidance of their mentors, and to seek advice that will assist them in graduate school and career decisions. Please include your impression of his/her ability to succeed in graduate school in the physical or social sciences.

Your Name: \_\_\_\_\_

Name of Student Requesting a Letter: \_\_\_\_\_

Your Role to This Student: \_\_\_\_\_

Your Employer: \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

*For more information, contact the director, Dr. Daphne LaDue at 405-325-1898.*

**Directions:** References can mail or fax this form and your attached letter to arrive by February 6, 2015.

**Mail:**

Dr. Daphne LaDue  
NWC REU at CAPS, Suite 2500  
120 David L. Boren Blvd.  
Norman, OK 73072

**Fax:**

405-325-7614

*Please mail or fax only. Emailed references become too numerous to handle!*