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 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

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:

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

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

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!