



ND EPSCoR Research Experience for Undergraduates (REU) Pilot Program 2016/2017

REQUEST FOR APPLICATIONS

Research Experience for Undergraduates (REU) Pilot Program

Issued: October 15, 2015

Application Deadline: February 2, 2016 (Noon)

Limited Funding Available

Purpose:

This program gives up to six undergraduates the opportunity to work in the Center for Regional Climate Studies (CRCS) or the Center for Sustainable Materials Science (CSMS) alongside faculty on cutting-edge research projects in chemistry, materials science, engineering, hydrology, agribusiness and applied economics, and atmospheric sciences while learning scientific research and communication skills.

Eligibility:

Eligible applicants must be U.S. citizens or resident aliens who will be undergraduate students during the award period in STEM disciplines related to those listed above at North Dakota State University (NDSU); University of North Dakota (UND); one of the five Tribal Colleges (TCs) located in ND – Cankdeska Cikana Community College, Nueta Hidatsa Sahnish College (formerly Fort Berthold Community College), Sitting Bull College, Turtle Mountain Community College, and United Tribes Technical College; or one of four ND University System Primarily Undergraduate Institutions (PUIs) located at Dickinson, Mayville, Minot, or Valley City. Priority will be given to

- TC or PUI students, who will work with a ND EPSCoR National Science Foundation (NSF) Track-1 researcher (*available at: <https://www.ndsu.edu/epscor/programs/REUPilotProg2016-17RFA.htm>*) - a letter of support from that researcher must accompany this application;
- ND residents;
- women and underrepresented minorities (National Science Foundation (NSF) definitions);
- NDSU or UND students, who previously attended a TC or PUI and will work with a NDSU or UND faculty member to continue/augment a NSF Track-1 project started at a TC or PUI - letters of support from both the NDSU/UND faculty member and TC/PUI ND EPSCoR NSF researcher (*available at: <https://www.ndsu.edu/epscor/programs/REUPilotProg2016-17RFA.htm>*) must accompany this application; and
- students whose applications contain collaborative projects in the STEM disciplines (listed above) between two or more of the institutions (listed above).

ND EPSCoR reserves the right to balance applicants between faculty mentors (one student per faculty) and between the two ND EPSCoR NSF Track-1 research themes/centers: CRCS and CSMS.

Program Description:

Beginning June 1, 2016 and ending May 31, 2017, each student will conduct an individual research project for which they will receive a \$5,000 stipend and up to an additional \$2,500 for summer housing. The project may take place at NDSU, UND, a TC, or a PUI. During the course of the REU project, a student may work at more than one institution. The REU must total 200 hours of student research which may take place entirely during the summer, during the academic year, or a combination of the two. Throughout their program, students are required to participate in seminars designed to enhance their research and scientific communication skills. Students will also be required to produce a webinar, podcast or blog entry on one of the ND EPSCoR web pages and to produce a poster and present it at a research symposium. The REU students will be distributed among the faculty mentors based on student interests.

Applications will be evaluated by ND EPSCoR leadership and the co-Leads of the ND EPSCoR Track-1 Projects: CRCS and CSMS.

Application requirements

1. Application form -- *see link above* -- which includes a 500-character (maximum) research objective :
 - a. Email an electronic version in PDF format of your full application to Scott Hanson, ND EPSCoR Tribal Colleges Liaison Manager, at scott.martin.hanson@ndsu.edu
 - b. Mail one (1) hard copy of your application to: ND EPSCoR, 1735 NDSU Research Park Drive, Suite 142, NDSU Dept. 4200, PO Box 6050, Fargo, ND 58108-6050
2. Two (2) academic references who can describe your potential to do research – individuals writing letters (no more than 300 words) should email them to scott.martin.hanson@ndsu.edu with “ND EPSCoR REU reference for (student name)” as the subject.
3. Letter(s) of support from one or two ND EPSCoR NSF Track-1 researcher(s) - researcher(s) should email a letter of no more than 300 words to scott.martin.hanson@ndsu.edu with “ND EPSCoR REU letter of support for (student name)” as the subject

Award Announcements and Additional Information:

Award announcements for the June 1, 2016 -- May 31, 2017 timeframe will be made on or about March 15, 2016. Funds are expected to be available on or after June 1, 2016. Awards are contingent upon continued funding from the National Science Foundation and the State of North Dakota.

TCs and PUIs: Please direct questions to Scott Hanson, ND EPSCoR Tribal Colleges Liaison Manager at 701.231.8606 or scott.martin.hanson@ndsu.edu OR Jean Ostrom-Blonigen, ND EPSCoR Project Administrator, at 701.231.7516 or jean.ostrom-blonigen@ndsu.edu OR Mark Hoffmann, ND EPSCoR Associate Project Director, at 701.777.2511 or mark.hoffmann@und.edu

NDSU: Please direct questions to Scott Hanson, ND EPSCoR Tribal Colleges Liaison Manager at 701.231.8606 or scott.martin.hanson@ndsu.edu OR Jean Ostrom-Blonigen, ND EPSCoR Project Administrator, at 701.231.7516 or jean.ostrom-blonigen@ndsu.edu

UND: Please direct questions to Scott Hanson, ND EPSCoR Tribal Colleges Liaison Manager at 701.231.8606 or scott.martin.hanson@ndsu.edu OR Mark Hoffmann, ND EPSCoR Associate Project Director, at 701.777.2511 or mark.hoffmann@und.edu