



# Research Experience for Undergraduates (REU)

2016 Summer Program

## Overview

The Center for Bio-mediated & Bio-inspired Geotechnics (CBBG) is a National Science Foundation (NSF) – funded Engineering Research Center (ERC) that is comprised of four universities (ASU, GTech, NMSU, UCD). The goal of the CBBG is to develop sustainable biologically-controlled and -inspired solutions in the areas of:

- Hazard mitigation
- Environmental protection and restoration
- Infrastructure construction
- Resource development

We are seeking innovative, sustainability-minded, engineering and science undergraduate students in the disciplines of microbiology, biology, geochemistry, geology, civil engineering, plant science, soil science, geoenvironmental, engineering education, or related areas, to participate in this paid 8-week summer program. This Research Experience for Undergraduates (REU) program will immerse REU participants in technical research and expose them to the graduate school experience as a whole, and specifically within the scope of the CBBG. The REU participants will begin the 8-week program with 1 week of training at ASU, followed by 7 weeks as part of a research team at one of the four CBBG partner universities. A broad scope of projects is available, and effort will be made to match student interests with the different projects. The REU experience will culminate in participating in the Annual NSF CBBG Meeting in late October 2016, where participants will give poster presentations of their work.

REU project descriptions can be found at: <http://biogeotechnics.org/reu>

## Program Dates

The CBBG 2016 REU Summer Program will run for 8 weeks from Tuesday, May 31, 2016 until Friday, July 22, 2016. We will NOT meet on the 4<sup>th</sup> of July holiday.

## Program Benefits

- \$3500 stipend
- Airfare for all travel
- On-campus housing and food provided for 1<sup>st</sup> week at ASU
- Invitation and participation in the Annual NSF CBBG Meeting at ASU in October (housing, food, and airfare included)
- Social and professional development events and activities

## Program Eligibility

- U.S. citizen or permanent resident
- Must be planning to enroll and be a Sophomore, Junior, or Senior college-level student in Fall 2016
- Attend U.S. community college, college or university; preference to students from non-CBBG institutions
- Participants are prohibited from taking courses or working while participating in the program
- Ability to work 40 hours per week for the entire 8-week program
- Students from diverse groups traditionally underrepresented in STEM programs are encouraged to apply

## How to Apply

1. Complete the [online application](#) form by Monday, March 21, 2016.
2. Email **unofficial transcript(s)** from all undergraduate institutions attended.
3. Email **letter of recommendation** from a faculty member.

Send application materials and any questions to: Dr. Jean Larson, CBBG Education Coordinator | [jean.larson@asu.edu](mailto:jean.larson@asu.edu) | (480) 965-7804

**Center for Bio-mediated and Bio-inspired Geotechnics** at Arizona State University

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