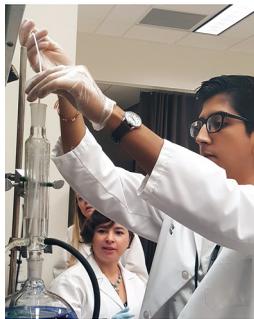


CBBG Education and Outreach Program

The Center for Bio-mediated and Bio-inspired Geotechnics (CBBG) is a 3rd-Generation National Science Foundation (NSF) -funded Engineering Research Center dedicated to the emerging field of biogeotechnical engineering. With a mission to **develop nature-inspired sustainable solutions for geotechnical and geoenvironmental aspects of civil infrastructure systems and the associated workforce**, CBBG is NSF's largest investment in geotechnical engineering and the only national research center dedicated to geotechnics. CBBG is a collaborative endeavor of four public universities, including Arizona State University, Georgia Institute of Technology, New Mexico State University, and the University of California at Davis.

CBBG research focuses on four thrust areas:

- **Geologic Hazard Mitigation**
- **Environmental Protection and Restoration**
- **Infrastructure Construction Methods and Materials**
- **Underground Exploration and Excavation**



The **CBBG Education and Outreach Program** is an essential element of its workforce development activities. We place the study of natural processes and the natural environment at the center of our activities. The CBBG links cutting-edge, innovative, high-tech research with tangible, knowable aspects of a student's natural world. We believe this engages students and encourages them to learn about the earth, soils, and how to design sustainable engineering solutions.



Summer Research Experiences

CBBG summer programs immerse participants in lab experiences, mentorships, training and networking opportunities.

- Research Experiences for Teachers (RET):
for K-14 STEM educators
- Research Experiences for Undergraduates (REU):
for undergraduates in STEM fields
- Young Scholars Program (YSP):
for high school students interested in STEM

Diversity and Outreach

CBBG outreach programs are designed to captivate a diverse group of students and foster interest in the interdependence between societal well-being, the engineered infrastructure, and the natural world.

Curriculum

Our collection of CBBG-inspired lesson plans, teaching modules, hands-on activities, and other resources are free and available on our website. K-14 lesson plans developed by our summer RETs are also available and free to use.

For more information or questions, go to www.biogeotechnics.tech or contact:

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