

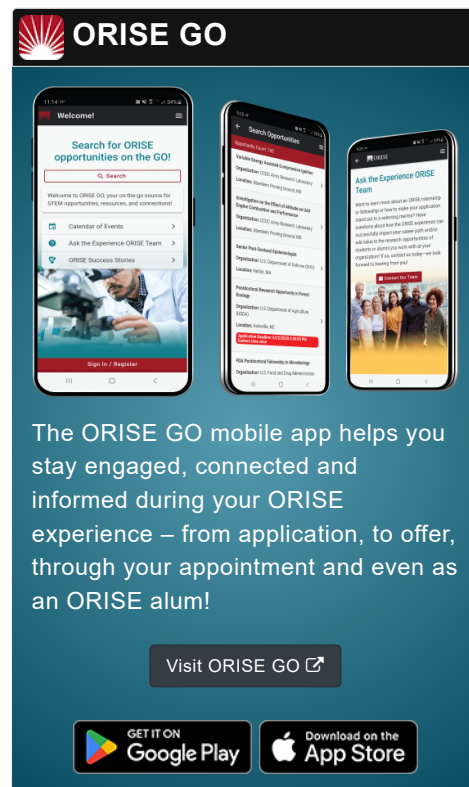
Opportunity Title: Summer Intern Chemistry or Biology
Opportunity Reference Code: DOE-MSIPP-17-5-SRNL

Organization	U.S. Department of Energy (DOE)
Reference Code	DOE-MSIPP-17-5-SRNL
How to Apply	<p>A complete application must include the following to be considered:</p> <ul style="list-style-type: none"> • Completion of all required fields in the application and successful application submission • Undergraduate or graduate transcripts as appropriate • Two recommendations <p>If you have questions, send an email to Kerri Fomby at kerri.fomby@orau.org. Please include the reference code for this opportunity in your email.</p> <p>For technical questions, please contact Vivian Cato at vivian.cato@srnl.doe.gov.</p>
Application Deadline	3/27/2017 12:00:00 AM Eastern Time Zone
Description	<p>The Minority Serving Institutions Partnership Program (MSIPP) Internships is a new program to promote the education and development of the next generation workforce in critical science, engineering, technology, and math (STEM) related disciplines that complement current and future missions of DOE national laboratories. The MSIPP Internship program is designed to provide an enhanced training environment for next generation scientists and engineers by exposing them to research challenges unique to our industry.</p>

MSIPP Interns will be given the opportunity to complete Summer Internships aligned with ongoing U.S. Department of Energy Office of Environmental Management (DOE-EM) research under the direction of a host national laboratory. The internship will be performed at the host national laboratory, utilizing their facilities and equipment under the guidance of a research staff member.

Minority Serving Institutions are institutions of higher education enrolling populations with significant percentages of undergraduate minority students.

Project: Student will support the DoD/SERDP funded project, "Understanding the relationships among low level metal influx, remediated sediments, and biological receptors (Project ER-2427)." The objective of this project is to better understand how ongoing sources of pollution affect treated sediments and to develop technologies to overcome this problem. The intern will assist in these studies by measuring surface water and sediment pore water parameters in laboratory mesocosm experiments that investigate the recontamination of sediments by metals and the effects of recontamination on benthic organisms. Duties will

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include taking samples and conducting water quality analyses under the supervision of the principal investigator and other collaborators. The work will include the use of Diffusive Gradient in Thin films (DGT) probes, an innovative passive sampling technology for assessing the contaminant fraction that is bioavailable to aquatic organisms.

Location: This internship will be located at Savannah River National Lab.

Salary: Selected candidate will be compensated by either a stipend or salary, and may include one round trip domestic travel to and from the host laboratory. Stipends and salaries will be commensurate with cost of living at the location of the host laboratory. Housing information will be provided to interns prior to arrival at the host laboratory, and will vary from lab to lab.

Application Deadline: March 27, 2017

Expected Start Date: June 5, 2017.

Qualifications Eligible applicants must:

- Be a citizen of the United States,
- Be at least 18 years of age,
- Currently enrolled as a full-time undergraduate or graduate student at an accredited Minority Serving Institution, <http://orise.ornl.gov/sepreview/msipp/Approved%20MSI%20School%20List%202017.pdf>,
- Working toward a science, technology, engineering, or mathematics (STEM) degree,
- Have an undergraduate or graduate cumulative minimum Grade Point Average (GPA) of 3.0 on a 4.0 scale, and
- Pass a drug test upon selection to participate in the MSIPP*The process and timing for drug testing varies from lab to lab.Use of Marijuana/Cannabis or its derivatives if prescribed is legal in some states.However, having these drugs in your system is NOT legal at United States Federal Contractor sites and National Laboratories.

Required Knowledge, Skills, Work Experience, and Education

Successful candidates will:

- Be a current undergraduate or graduate student in chemistry, biology, environmental science or related field.

Desired Knowledge, Skills, Work Experience, and Education




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It is desirable for the candidate to have:

- Computer (Microsoft Power Point, Excel) and lab skills.

**Eligibility
Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing a Bachelor's Degree or Master's Degree.
- **Overall GPA:** 3.00
- **Discipline(s):**
 - **Engineering** (3 )
 - **Environmental and Marine Sciences** (8 )
 - **Life Health and Medical Sciences** (1 )

Affirmation

I certify that I am at least 18 years of age and a US citizen, and am currently enrolled as a student in a degree seeking undergraduate or graduate program in a STEM field at an accredited Minority Serving Institution (MSI).