

Opportunity Title: Consolidated Storage of Spent Nuclear Fuel

Opportunity Reference Code: DOE-MSIPP-17-7-ANL

Organization U.S. Department of Energy (DOE)

Reference Code DOE-MSIPP-17-7-ANL

How to Apply A complete application must include the following to be considered:

- Completion of all required fields in the application and successful application submission
- Undergraduate or graduate transcripts as appropriate
- Two recommendations

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.

For technical questions, please contact Lisa Reed at lisareed@anl.gov.

Application Deadline 3/27/2017 12:00:00 AM Eastern Time Zone

Description 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.

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: Four internships are being offered to search scientific and engineering literature for information about environmental considerations that will be important to siting and constructing a new facility to store radioactive spent fuel from nuclear power plants (which is currently being stored at individual commercial reactor sites across the country). This will include evaluating how other countries have addressed technical factors and community issues in siting their spent nuclear fuel storage and disposal facilities. Contribute to an environmental considerations report to support early planning for a future storage facility.




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This internship will be located at Argonne National Lab.

Salary: Selected candidates 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: May 31, 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 familiar with Environmental Science, Technology, and/or Engineering concepts -- such as Environmental Chemistry (Geochemistry, Atmospheric Chemistry); or Biochemistry/Human Health and Risk Assessment; or technology concepts for reducing contaminant concentrations in air, water, or soil; or sensing technology (e.g., used in mobile devices to monitor environmental/health conditions).

Desired Knowledge, Skills, Work Experience, and Education












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It is desirable for the candidates to have:

- Ability to pursue, critically review, and synthesize information; strong data integration and writing skills; familiarity with biology/biochemistry, human health, environmental chemistry, environmental engineering.

**Eligibility
Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing a Bachelor's Degree or Master's Degree.
- **Overall GPA:** 3.00
- **Discipline(s):**
 - **Chemistry and Materials Sciences** (12 )
 - **Communications and Graphics Design** (6 )
 - **Computer, Information, and Data Sciences** (16 )
 - **Earth and Geosciences** (21 )
 - **Engineering** (27 )
 - **Environmental and Marine Sciences** (14 )
 - **Life Health and Medical Sciences** (45 )
 - **Mathematics and Statistics** (10 )
 - **Other Non-Science & Engineering** (4 )
 - **Science & Engineering-related** (1 )
 - **Social and Behavioral 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).