



We are seeking motivated individuals to work as Scientists in the Geotechnical and Structures Laboratory.

***PUBLIC NOTICE FOR POSITIONS FILLED UNDER DIRECT HIRE AUTHORITY (DHA) FOR:
Bachelor's Degree and Advanced Degree candidates under Science and Technology
Reinvention Laboratory (STRL) Personnel Demonstration (Demo) Projects***

Opening and Closing Dates: January 14, 2022 – March 31, 2022

Position Title: Research Geophysicist

Series/Grade: DB-1313-02 or DB-1313-04

Full Performance Level: DB-04

Duty Location: Vicksburg, MS

Salary Range: \$36,118 - \$144,976

Work Schedule: Full-time

Appointment Type: Permanent

Travel Requirement: 25% or more Temporary Duty Travel may be required.

Who May Apply: All U.S. Citizens

Responsibilities/Duties: Serves as a U.S. Army Research and Development (R&D) is seeking applicants for a position specializing in applied near-surface seismic methods to support military and/or civil works research and development projects. Typical job duties might include, but are not limited to geophysical survey design, data collection, data processing, interpretation, report writing, and proposal writing.

*The purpose of this position is to conduct applied geophysical research related to near-surface phenomenology to support military engineering projects and advance Army capabilities.

*Develop hardware solutions and/or novel data processing methodologies to improve shallow seismic characterization and imaging.

*Conduct studies both independently and as a member of a broader research team.

*Present research to technical and non-technical audiences.

*Publish findings in peer-reviewed journals and technical reports.

*Contribute to or develop novel research proposals.

Preferred candidates should have demonstrated experience using active and/or passive seismic techniques related to seismic reflection, refraction, surface waves, diffraction, full waveform inversion (FWI), tomography, distributed acoustic sensing (DAS), laser Doppler vibrometry, cross-hole, or seismic monitoring. Experience in coding, signal processing, software development, data analytics, or a background in physics, mathematics, engineering, or computer science are a plus.

MS or PhD are preferred. Travel and field work will be required.

Qualifications Requirements: To qualify for this position at the DB-02 level, you must meet the Basic Requirements. To qualify at the DB-04 level you must meet the Basic Requirements in addition to required experience.

A. Degree: that included at least 30 semester hours in mathematics (including calculus) and the physical sciences (geophysics, physics, engineering, geology, astronomy, meteorology, electronics, etc.). OR

B. Combination of education and experience – courses as shown in A above, plus appropriate experience or additional education.

Specialized Experience to qualify at the DB-04: You must possess one year of specialized experience equivalent to the DB-02 level or higher in Federal service (or private sector equivalent) demonstrating experience and knowledge of the application of the principles, concepts and methodology associated with geophysics, physics, engineering, geology, or physical science applying methods and procedures in routine research, projects or studies; and experience preparing scientific reports setting forth appropriate data and interpretation.

Full qualification standards can be found at the OPM site at this link -

<https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/#url=List-by-Occupational-Series>

Conditions of Employment:

- Must meet suitability for Federal employment
- Will be required to provide proof of U.S. Citizenship
- Male applicants born after December 31, 1959 must complete a Pre-employment Certification Statement for Selective Service Registration
- Must have a valid drivers license
- Obtain and maintain a Secret or higher Security Clearance
- [Reasonable accommodation](#) is available to qualified employees with disabilities
- Pursuant to EO 14043, all Federal employees, regardless of duty location or work arrangement, must be fully vaccinated for COVID-19 by November 22, 2021, or before entrance on duty if after November 22, subject to exceptions as required by law.

- If selected, the agency will provide information regarding what documentation is needed and how to request any legally required exceptions from this requirement.
- Proof of vaccination will be required. To ensure compliance with the mandate, review the vaccination requirements, to include timelines for receiving required does, at the following: <https://www.saferfederalworkforce.gov/faq/vaccinations/>

How to Apply:

Please provide your current resume and transcripts (unofficial copies are acceptable, but must be in a readable [preferably .pdf] format and reflect all related coursework and degree date)

- 1) *Via Email:* to: gslcareers@usace.army.mil
- 2) Please ensure your email has the following subject line: Geophysicist DHA Applicant
- 3) Application packages will be accepted through 11:59pm CT on **3/31/2022**

Application packages that are received after the closing date, or do not contain resume and transcripts will not be considered.

Disclaimer: You are about to provide person data. By completing this online application, you are authorizing the US Army Engineer Research & Development Center (ERDC) to use this data in the recruiting, application, and selection processes. The information collected will be accessible to ERDC employees relevant to such processes.



**US Army Corps
of Engineers.**