



**We are seeking motivated individuals to work 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:** February 3, 2022 – May 6, 2022

**Position Title:** Research Civil Engineer (Structural)

**Series/Grade:** DB-0810-02 or DB-0810-04

**Full Performance Level:** DB-04

**Duty Location:** Vicksburg, MS

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

**Work Schedule:** Full-time

**Appointment Type:** Permanent

**Travel Requirement:** 10% or more Temporary Duty Travel may be required.

**Who May Apply:** All U.S. Citizens

**Responsibilities/Duties:** Serves as a Research and Development (R&D) Engineer responsible for executing and managing projects in the field of structural engineering in one or more of the following areas:

- blast and weapons effects against structures and geo-materials;
- survivability and force protection;
- blast-resistant design and protective structures;
- structural dynamics,
- structural systems,
- civil works and transportation infrastructure, and
- high-performance materials.

Designs and performs complex laboratory and field experiments. Analyzes statistical or numerical data from experiments and prepares interim and final reports. Uses numerical modeling and finite element analyses to design and analyze structural systems, simulate experiments, and conduct parametric analyses. Conducts detailed material characterization to provide required input for numerical modeling. Transfers technology to the nation and warfighter through technical publications, guidance documents, and/or software and web applications. Works with organization leadership to coordinate R&D endeavors and effectively communicates with teams, sponsors, and stakeholders. Ability to direct and manage personnel is 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 AND the required Specialized Experience.

**Basic Requirements:** Please visit the link below to review the Basic Education Requirement for Engineers:

OPM's Individual Occupational Requirement (IOR) for the 0800 job series is defined as:

<https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/0800/files/all-professional-engineering-positions-0800.pdf>

**To qualify at the DB-04 level you must meet the Basic Requirements above in addition to required Specialized Experience listed below:**

**Specialized Experience required to qualify for the DB-04:** You must possess one year of specialized experience equivalent to the DB-02 (GS-11) level or higher in Federal service (or private sector equivalent) demonstrating experience: 1) Applying the principles, concepts and methodology associated with engineering, computer science, physical science and/or mathematics; 2) Applying engineering and scientific methods and procedures in routine research, projects and/or studies; AND 3) Preparing scientific reports that reflect collected data and interpretation.

**All qualification requirements, including time after competitive appointment, must be met by the closing date of this announcement.**

**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

**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](mailto:gslcareers@usace.army.mil)
- 2) Please ensure your email has the following subject line: DHA Research Civil Engineer (Structural)
- 3) Application packages will be accepted through 11:59pm CT on **5/6/2022**

***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.



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of Engineers®**