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Electrical Engineer (GS-0850-13)

BUREAU OF ALCOHOL, TOBACCO, FIREARMS, AND EXPLOSIVES

[Agency Contact Information](#)

1 vacancy in the following location:

Beltsville, MD

Work Schedule is Full Time - Permanent

Opened Wednesday 4/19/2017

(2 day(s) ago)

Closes Thursday 4/27/2017

(6 day(s) away)

Salary Range

\$94,796.00 to \$123,234.00 / Per Year

Series & Grade

GS-0850-13/13

Promotion Potential

13

Supervisory Status

No

Who May Apply



U.S. Citizens.

Control Number

468149300

Job Announcement Number

17-DEU-275-GRP

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Job Overview

Summary

[About the Agency](#)

This position is located in the Fire Research Laboratory (FRL) within the Office of Science and Technology (OST) in Beltsville, Maryland. Serves as a technical expert practitioner concerning the evaluation of products, equipment and components having electrical or electronic functions and mechanical features with regard to failure modes resulting in fire causation.

Position requires an average or better dexterity and visual acuity to perform the type of work required for this position. Some assignments may require considerable strenuous physical exertion and lifting of object not exceeding 40 pounds. Work consists of fieldwork, whether conducting testing or in support of criminal investigations at fire scenes, which may include moderate to high degree of risk including but not limited to exposure to fire gases and toxins, fall and collapse hazards, electricity and other unforeseen hazards. The work requires wearing full and half face respirators and requires the incumbent to conduct themselves in a safe manner at all times.

Engineers that participate in National Response Team callouts must be HAZMAT certified.

Duties

- Investigates possible electrical malfunctions failures or modifications to electrical and mechanical equipment.
- Performs examinations that may require the use of instrumental measurement procedures and equipment.
- Participates in crime scene processing by providing assistance to investigators on electrical failure scenarios and analyses.

Interprets and evaluates the results of analyses to determine the validity and scientific significance based on a reasonable degree of scientific certainty.

- Serves as an advisor to various outside interests, such as other Federal and state law enforcement agencies, concerning methodology problems in the area of electrical engineering.
- Provides expert testimony on the basis of examinations and advises prosecutors on the appropriate approach to use in presenting scientific testimony.

Responsibilities will increase and assignments will become more complex as your training and experience progresses.

Travel Required

- Occasional Travel
- 10 days/nights per month

Relocation Authorized

- No

Job Requirements

Key Requirements

- Must be a U.S. Citizen or National.
- May be required to serve a one year probationary period.
- Pass drug screening and subject to random drug test.
- Suitable for Federal employment determined by background investigation.
- Must be registered or exempt from the Selective Service. See www.sss.gov.

Qualifications

To qualify for this position, you must meet one of the basic requirements and/or one of the additional qualification requirements listed below.

Basic Requirement: Degree in professional engineering. To be acceptable, the curriculum must: (1) be in a school of engineering with at least one curriculum accredited by the Accreditation Board for Engineering and Technology (ABET) as a professional engineering curriculum; or (2) include differential and integral calculus and courses (more advanced than first-year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statics, dynamics; (b) strength of materials (stress-strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits; (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of fundamental engineering science or physics, such as optics, heat transfer, soil mechanics, or electronics. OR Combination of education and experience--college-level education, training, and/or technical experience that furnished (1) a thorough knowledge of the physical and mathematical sciences underlying professional engineering, and (2) a good understanding, both theoretical and practical, of the engineering sciences and techniques and their applications to one of the branches of engineering. Additional info on basic requirements at

<http://www.opm.gov/qualifications/StPandards/IORs/gS0800/0800.htm#occupations>

All academic degrees and coursework must be completed at a college or university that has obtained accreditation or pre-accreditation status from an accrediting body recognized by the U.S. Department of Education. For a list of schools that meet this criteria, see www.ed.gov.

Note: Transcripts must be provided to substantiate basic education.

In addition to the basic requirements, the following must be met:

Specialized Experience: To qualify for the GS-13: You must have at least one year of specialized experience at, or equivalent to, the GS-12 grade level.

Specialized experience for this position is defined as the following:

- The mastery of the principles and practices of electrical or electronic engineering.
- In depth knowledge of Federal laws, regulations and guidelines pertaining to fire and forensic evidence.
- Knowledge of the safety practices standard to the engineering industry and unique to bomb or arson crime scenes.

Interagency Career Transition Assistance Plan (ICTAP). The ICTAP provides eligible displaced Federal competitive service employees with selection priority over other candidates for competitive service vacancies. If your agency has notified you in writing that you are a displaced employee eligible for ICTAP consideration, you may receive selection priority if: 1) this vacancy is within your ICTAP eligibility; 2) you apply under the instructions in this announcement; and 3) you are found well-qualified for this vacancy. To be well qualified, you must satisfy all qualification requirements for the vacant position and rate equivalent to the silver (minimum score of 85) or better category using established category rating criteria. You must provide proof of eligibility with your application to receive selection priority. Such proof may include a copy of your written notification of ICTAP eligibility or a copy of your separation personnel action form. Additional information about ICTAP eligibility is at: <http://www.opm.gov/ctap/index.asp>.

The **Career Transition Assistance Plan (CTAP)** provides eligible surplus and displaced competitive service employees in the Department of Justice with selection priority over other candidates for competitive service vacancies. If your Department of Justice component has notified you in writing that you are a surplus or displaced employee eligible for CTAP consideration, you may receive selection priority if: 1) this vacancy is within your CTAP eligibility, 2) you apply under the instructions in this announcement, and 3) you are found well-qualified for this vacancy. To be well qualified, you must satisfy all qualification requirements for the vacant position and rate equivalent to the silver (minimum score of 85) or better category using established category rating criteria. You must provide a copy of your written notification of CTAP eligibility with your application. Additional information about CTAP eligibility is at: <http://www.opm.gov/ctap/index.asp>.

Veterans' Preference: If you are entitled to veteran preference, you should indicate the type of veteran preference you are claiming on your résumé. - In order to verify your veteran preference entitlement, please submit a copy of the Member Copy 4 of your DD-214 (Certificate of Release or Discharge from Active Duty); official statement of service from your command if you are currently on active duty; or other official documentation (e.g., documentation of receipt of a campaign badge or expeditionary medal) that shows your military service was performed under honorable conditions. In addition, if you are a disabled veteran, a Purple Heart recipient, or widow/widower of a veteran, the spouse of a disabled veteran or the natural mother of a disabled or deceased veteran, you must submit a Standard Form (SF) 15, "Application for 10-Point Veteran Preference," and the other required documentation identified on the reverse side of the SF-15 to support your preference claim. Although veteran preference points are not assigned under the category rating procedures described under "How You Will Be Evaluated," veteran preference eligibles are listed ahead of non-veterans within each category for which they are qualified.

In addition, qualified veterans with a compensable service-connected disability of 10% or more are placed at the top of the highest quality category (i.e. Gold Category).

You must meet all qualification requirements *upon* the closing date of this announcement.

Security Clearance

Secret

Additional Information

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Required Documents

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**Bur of Alcohol, Tobacco, Firearms
and Explosives (ATF)**

Department of Justice

Bureau of Alcohol, Tobacco, Firearms, and Explosives

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