

**Job Title: Mechanical Engineer – GS-0830-5/7****Job Announcement Number:**

**Series & Grade:** GS-0830-5/7  
**Open Period:** Thursday, February 04, 2010 to  
**Position Information:** Full-Time Permanent  
**Who May Be Considered:** United States citizens

**Job Summary:****If you...**

- enjoy learning about cutting-edge research  
are a good communicator
- enjoy gathering, organizing, analyzing, interpreting, and evaluating scientific data to solve engineering problems
- are curious about what makes things work

Look no further - we have a job for you! As a mechanical engineer in the Federal Government, you will explore many areas of engineering.

**Key Requirements:**

- U.S. Citizen or National
- Males born after 12-31-59 must be registered or exempt from Selective Service (see [www.sss.gov](http://www.sss.gov))
- Relevant experience or education (See Qualifications and Evaluation)
- Suitable for Federal employment as determined by a background investigation

**Major Duties:**

As a mechanical engineer, your typical work assignments may include:

- Evaluating designs for a variety of mechanical systems and equipment;
- Researching and analyzing data, issues, and information to support project recommendations;
- Evaluating and recommending mechanical systems and equipment in manufacturers' catalogs and contractor proposals;
- Investigating mechanical engineering problems and proposing solutions; and

- Developing test programs for mechanical machinery and equipment.

**Qualifications:**

You must meet one of the following qualifications to qualify for a GS-5 position:

Bachelor's 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 engineering 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. The adequacy of such background must be demonstrated by one of the following:

a. Professional Registration - Current registration as a professional engineer by any State, the District of Columbia, Guam, or Puerto Rico; **OR**

b. Written Test - Evidence of having successfully passed the Engineer-in-Training (EIT) examination, or the written test required for professional registration, which is administered by the Boards of Engineering

Examiners in the various states, the District of Columbia, Guam, and Puerto Rico; **OR**

c. Specified academic courses - Successful completion of at least 60 semester hours of courses in the physical, mathematical, engineering sciences and in engineering that included the courses specified in the basic requirements. The courses must be fully acceptable toward meeting the requirements of a professional engineering curriculum as described in Paragraph A above; **OR**

d. Related curriculum - Successful completion of a curriculum leading to a bachelor's degree in engineering technology or in an appropriate professional field, e.g., physics, chemistry, architecture, computer science, mathematics, hydrology, or geology, may be accepted in lieu of a degree in engineering, provided you have had at least 1 year of professional engineering experience acquired under professional engineering supervision and guidance.

You must meet one of the following qualifications, in addition to the requirements listed above, to qualify for a GS-7 position:

**A.** Superior academic achievement at the baccalaureate level in a professional engineering curriculum (i.e., you must have earned a grade point average (GPA) of 3.0 based on a 4.0 scale; a 3.5 GPA (4.0 scale) for required courses completed in a major field of study during junior and senior year of a 4-year accredited or pre-accredited college or university; class standing of upper third of the graduating class in the college, university, or a major subdivision of the college; or membership in a National Scholastic Honor Society certified by the Association of College Honor Societies, excluding freshman honor societies; **OR**

**B.** 1 year of specialized experience [Agency must define specialized experience]; **OR**

**C.** 1 year of graduate education in a master's degree program for mechanical engineering; **OR**

**D.** Successful completion of a 5-year program of study of at least 160 semester hours leading to a bachelor's degree in engineering.

#### **How You Will Be Evaluated:**

We will review your résumé and transcript(s) to ensure you meet the basic qualification requirements. We will evaluate each applicant who meets the basic qualifications on the competencies/knowledge, skills and abilities related to the position such as: oral communication, problem solving, writing, and technical competence.

#### **Benefits:**

The Federal Government offers a comprehensive benefits package. Explore the major benefits offered to most Federal employees at [www.usajobs.gov/EI/benefits.asp#icc](http://www.usajobs.gov/EI/benefits.asp#icc).

#### **Other Information:**

Veterans' Preference: If you are entitled to veterans' preference, you should indicate the type of veterans' preference you are claiming on your résumé. Your veterans' preference entitlement will be verified by the employing agency. For information on entitlement see <http://www.fedshirevets.gov/job/vetpref/index.aspx>.

Interagency Career Transition Assistance Program (ICTAP): To be well-qualified and exercise selection priority for this vacancy, displaced Federal employees must be rated at [Agency must define "well-qualified."] or above on the rating criteria for this position. For information on how to apply as an ICTAP eligible see [http://www.opm.gov/rif/employee\\_guides/career\\_transition.asp#ictap](http://www.opm.gov/rif/employee_guides/career_transition.asp#ictap).

**How To Apply:**

Your complete application will include:

1. Résumé
2. An official, unofficial transcript(s), or a list of courses with completion dates, grades, and quarter and/or semester hours received
3. Additional documents (e.g., Veterans Preference documentation, proof of ICTAP eligibility), if applicable

You may also submit a cover letter with your résumé.

You may either apply Online or deliver your application package via **[Insert agency procedure]**.

**Contact Information:**

Your Name  
Phone: 202-000-0000  
Fax: 202-606-1768  
Email:  
youremailaddress@youragency.gov

Agency Information:  
Your Agency Name  
1 Main Street  
1900 E STREET NW  
Washington, DC 20415  
US  
Fax: 202-606-1768

**What To Expect Next:**

After all application packages have been received, we will review your résumé and transcript(s) to ensure you meet the basic qualification requirements. We will evaluate each applicant who meets the basic qualifications on the information provided in the résumé and may interview the best-qualified applicants. After making a tentative job offer, we will conduct a suitability and/or security background investigation. A final job offer for this position is typically made within 40 days after the deadline for applications.

**EEO Policy Statement:** <http://www.usajobs.gov/eeo>

**Reasonable Accommodation Policy Statement:** <http://www.usajobs.gov/raps>

**Veterans Information:** <http://www.usajobs.gov/vi>

**Legal and Regulatory Guidance:** <http://www.usajobs.gov/lrg>

**Control Number:**