

**Job Title: General Engineer****Department:** Department Of Defense**Agency:** Office of the Secretary of Defense**Sub Agency:** Office of the Director Defense Research & Engineering, Systems Engineering (SE)**Job Announcement Number:** OSD-10-9292-DE**Salary Range:** 98,798.00 - 163,275.00 USD /year**Series & Grade:** YD-0801-03/03**Promotion Potential:** 03**Open Period:** Thursday, April 15, 2010 to Thursday, April 29, 2010**Position Information:** This is a full-time position.

This is a permanent appointment.

**Duty Locations:** 2 vacancies - Arlington, VA**Who May Be Considered:** This position is open to all U.S. Citizens. This announcement combines a merit promotion and a competitive announcement in one announcement. Status candidates will be considered under merit promotion procedures. Non-status candidates, VEOA eligibles and merit candidates that have specialized experience but lack time in grade or time after competitive appointment will be considered under competitive procedures.

ICTAP Eligibles

Military Spouse Preference Eligibles

**Job Summary:**

The Office of the Secretary of Defense (OSD) is the principal staff element of the Secretary of Defense in the exercise of policy development, planning, resource management and program evaluation responsibilities. OSD includes the offices of the Secretary and Deputy Secretary of Defense, Under Secretaries of Defense, Deputy Chief Management Officer, Director of Defense Research and Engineering, Assistant Secretaries of Defense, General Counsel, Director of Operational Test and Evaluation, Assistants to the Secretary of Defense and Director of Administration and Management.

The Office of the Director Defense Research and Engineering, Systems Engineering (SE) Directorate is responsible for developing policies and practices to enhance the awareness and importance of good systems engineering within the Department of Defense (DoD). SE ensures DoD program managers and their teams apply good practices in the planning and execution of programs and provides them with tools necessary to effectively perform their tasks. SE encourages capturing, sharing, and ensuring the application of best practices in design, development, production, and support across the entire life cycle of systems. SE promotes use of sound engineering management tools and the development of new tools and methods through collaboration with the Services, academia, professional associations and industry. SE promotes acquisition learning in the area of systems engineering, both within the Government workforce and private sector. SE sets policy for systems engineering best practices and sees to its implementation. The Director, SE is the integrating focal point for systems engineering policies and practices within the Department.

This position reports to the Director, System Analysis and, working with the SA team, is responsible for creating and implementing a strategic vision, mission and concept of operations for development planning in the DoD. This engineer will

develop policy, best practices and tools related to early application of systems engineering and development planning; integrating policy and practice with DoD requirements and acquisition processes, conducting analyses, and analyzing results.

**THIS IS A CRITICAL ACQUISITION POSITION, LEVEL III IN SYSTEMS PLANNING, RESEARCH, DEVELOPMENT, AND ENGINEERING--SYSTEMS ENGINEERING.**

This position is covered by the National Security Personnel System (NSPS). NSPS is a pay for performance system using pay bands with salary ranges. For more information on NSPS, please visit the website at <http://www.cpms.osd.mil/nsps/index.html>

Filling of this position is subject to the provision of the DoD Priority Placement Program.

**Key Requirements:**

- Selection for this position is contingent upon proof of U.S. citizenship.
- Permanent change of station funds **may** be authorized.
- This position has a basic education requirement.
- THIS POSITION REQUIRES A TOP SECRET/SCI CLEARANCE.

**Major Duties:**

- Manages and provides technical guidance for initiatives and studies in the Systems Analysis (SA) Directorate, including system analysis and system engineering research.
- Provides expertise to areas of SA interests, such as concept engineering, architecture, and systems of systems.
- Supports development of a Department strategy for developmental planning and fosters stakeholder partnerships in support of the strategy.
- Supports senior engineering and executive forums, steering groups, and committees for the Director, SA.
- Provides SA technical expertise to acquisition programs.
- Participates on program support reviews (PSRs) conducted by the Director for Major Programs Support.
- Assists in program support methodology updates to address system considerations as well as analysis of issues gathered.
- Prepares briefings, project documentation, and written reports for projects and issues of interest as required.

**Qualifications:**

You must possess 52 weeks of specialized experience at a level of difficulty and responsibility equivalent to the next lower grade level or pay band that has equipped you with the necessary knowledge, skills and abilities to perform successfully the duties of the position shown above. The creditable specialized experience is:

Experience with engineering requirements, concepts, and systems analysis methods and tools.

IN ADDITION TO THE SPECIALIZED EXPERIENCE, YOU MUST ALSO MEET A BASIC REQUIREMENT. THE BASIC REQUIREMENT FOR THIS POSITION IS:

1. Degree: 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

2. 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. 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. Absent other means of qualifying under this standard, those applicants who achieved such registration by means other than written test (e.g., State grandfather or eminence provisions) are eligible only for positions that are within or closely related to the specialty field of their registration. For example, an applicant who attains registration through a State Board's eminence provision as a manufacturing engineer typically would be rated eligible only for manufacturing engineering positions.
- 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.

Applicants who have passed the EIT examination and have completed all the requirements for either (a) a bachelor's degree in engineering technology (BET) from an accredited college of university that included 60 semester hours of courses in the physical, mathematical, and engineering sciences, or (b) a BET from a program accredited by the Accreditation Board for Engineering and Technology (ABET) may be rated eligible for certain engineering positions at GS-5. Eligibility is limited to positions that are within or closely related to the specialty field of the engineering technology program. Applicants for positions that involve highly technical research, development, or similar functions requiring an advanced level of competence in basic science must meet the basic requirements in paragraph A.

Because of the diversity in kind and quality of BET programs, graduates of other BET programs are required to complete at least 1 year of additional education or highly technical work experience of such nature as to provide reasonable assurance of the possession of the knowledge, skills, and abilities required for professional engineering competence. The adequacy of this background must be demonstrated by passing the EIT examination.

- c. *Specified academic courses* -- Successful completion of at least 60 semester hours of courses in the physical, mathematical, and 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.
- 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 the applicant has had at least 1 year of professional engineering experience acquired under professional engineering supervision and guidance. Ordinarily there should be either an established plan of intensive training to develop professional engineering competence, or several years of prior professional engineering-type experience, e.g., in interdisciplinary positions. (The above examples of related curricula are not all-inclusive.)

Foreign education must be evaluated for U.S. equivalency in order to be considered for this position. For additional information on recognized education, please go to the following website:  
<http://www.ed.gov/admins/finaid/accred/index.html>.)

Knowledges, skills, and abilities that are needed to perform the duties of this position are:

1. Knowledge of requirements, concepts, and systems analysis methods and tools.
2. Knowledge of DoD acquisition and life cycle management policies, procedures and practices
3. Knowledge of scientific or technical work concerned with engineering projects, facilities, structures, systems, processes, equipment, devices, materials or methods.
4. Knowledge of program planning and budgeting cycles.

5. Ability to communicate orally.

6. Ability to communicate in writing.

- You can apply for a non-competitive appointment if you meet the basic eligibility requirements and you are eligible for special appointment such as those authorized for the severely disabled; 30% disabled veterans; military spouse preference; returned volunteers from the Peace Corps or Vista, etc. Please indicate the type of special appointment you are seeking, if any, on your resume and follow all other instructions for applying shown in this announcement. You MUST provide supporting documents in order to receive consideration. For additional information on non-competitive appointing authorities, click here <http://www.opm.gov/employ/html/sroa2.asp>

All qualification requirements must be met by the closing date of the announcement.

- Upon reporting, and on an annual basis thereafter, the selectee may be required to file one or more financial statements and/or a procurement integrity certification. These certifications may be subject to public disclosure.

This position is designated special sensitive as defined in DoD 5200.2-R and therefore requires that a personnel security investigation be adjudicated for security eligibility on a pre-appointment basis. This requirement may take 120 days or longer to process.

- This position is subject to the DoD Drug Free Workplace Program. The selectee must test negative for the presence of illegal drugs before placement in the position, and will be subject to random drug testing thereafter. If a determination of the use of illegal drugs is confirmed in this position or other testing designated positions in OSD or WHS, non-selection or disciplinary action, up to and including removal from Federal service, may result. All tentative selectees for this position will be required to undergo a urinalysis test to screen for illegal drug use prior to appointment and periodically thereafter.
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- Management may set the salary at any level within the parameters of the pay band.

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

Resumes will be rated by an automated system (Resumix) that matches the skills extracted from your resume to the skills identified through a documented job analysis. Candidates should refer to the Human Resources Service Center (HRSC) Civilian Job Kit: <http://www.whs.mil/HRD/Apply/HowToGuide/JobKitRevision.cfm> for assistance in developing a complete resume as HRSC will not accept separate KSA statements.

Your numerical score will be based on how the information in your resume describes the level of your training, experience, and education.

### **Benefits:**

The Department of Defense offers excellent benefits programs some of which may include:

- Comprehensive health and life insurance
- Competitive salaries
- Generous retirement programs
- Paid holidays, sick leave, and vacation time
- Flexible work environment and alternate work schedules
- Paid employment related training and education
- Possible student loan repayment
- Payment of licenses, certification, and academic degrees as applicable
- Bonuses, incentives, and awards as appropriate for the job.

### **How To Apply:**

ALL APPLICANTS ARE ENCOURAGED TO SUBMIT THEIR RESUME AND SUPPLEMENTAL INFORMATION THROUGH OUR ON-LINE RESUME BUILDER. Applications submitted through electronic means must be received by midnight, eastern time, of the closing date. Mailed applications must be received by close-of-business of the closing date of the announcement.

Mailed resumes and all required supporting documentation must be sent to:

Resume  
Washington Headquarters Services  
Human Resource Services Center  
2521 Clark Street, Suite 4000  
Arlington, VA 22202

**Required Documents:**

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You must submit a resume as detailed in the HRSC Civilian Job Kit at <http://www.whs.mil/HRD/Apply/HowToGuide/JobKitRevision.cfm>.

If you are claiming 10-point veterans preference, you are required to submit a DD-214, Standard Form 15, VA Civil Service Preference letter and the required proof of entitlement at the time of application. If this documentation is not submitted, you will be granted 5 point preference if eligible. A copy of your DD-214 showing discharge status or proof of preference must be submitted before a tentative job offer will be extended. Additional information on veterans preference is available in the VetGuide which can be found at: <http://www.opm.gov/veterans>

If claiming Military Spouse Preference, mail or fax the following required documentation by the closing date of the announcement. You may apply one of three ways: (1) PCS: Copy of the sponsor's PCS orders showing the spouse as an authorized dependent; Date of marriage to the military sponsor; AND Statement that spouse preference is requested and has not previously been used to obtain a position in the commuting area. (2) 100% disability of spouse: DD-214 or letter from service providing proof of service member's release or discharge from active duty due to service-connected disability; documentation of service member's 100% disability; AND proof of marriage to service member. (3) Deceased service member: proof of service member's death while on active duty AND proof of marriage to service member.

**Contact Information:**

Human Resources Directorate  
Phone: 703-604-6219  
TDD: 703-601-2310

Agency Information:  
Washington Headquarters Services  
2521 South Clark Street  
WHS Suite 4000  
Arlington, VA 22202

**What To Expect Next:**

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

**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:** 1873389