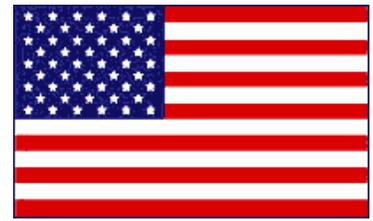




PORTLAND VA MEDICAL CENTER

*Portland, Oregon Division
 Vancouver, Washington Division
 Community Based Outpatient Clinics
 Salem, OR Bend, OR
 Camp Rilea (Warrenton, OR)*



NOTICE OF VACANCY

<p>1. <u>Announcement Number</u></p> <p>T38H-08-602-SJ</p>	<p>2. <u>Title, Series, Grade, Salary</u></p> <p>Biomedical Engineer FS GS-858-13 \$81,472 to \$105,918 per annum (Based on full-time employment)</p>	<p>3. <u>Tour of Duty</u></p> <p>12 noon – 4pm M-F</p>	<p>4. <u>Duty Station</u></p> <p>National Center for Auditory Research, Portland Division</p>
<p>5. <u>Type & Number of Vacancies</u></p> <p>Temporary NTE 1 year & 1 day 1 Part-time position (40 hrs/Pay Period)</p>	<p>6. <u>Contact</u></p> <p>Human Resources Assistant 503-273-5236</p>	<p>7. <u>Opening Date</u></p> <p>9/17/08</p>	<p>8. <u>Closing Date</u></p> <p>9/23/08</p>

WHO MAY APPLY TO THIS ANNOUNCEMENT:

- Any US Citizen

MAJOR DUTIES:

This position is located within the Rehabilitation Engineering Laboratory of the Department of Veterans Affairs (VA) Rehabilitation Research and Development (RR&D) Service-funded National Center for Rehabilitative Auditory Research (NCRAR), located at the Veterans Affairs Medical Center Portland, Oregon. The incumbent will serve as an integral member of an interdisciplinary rehabilitation research and development team. S/he will assume primary responsibility for the software engineering design and programming, hardware development and electrical engineering fabrication required to develop innovative auditory research applications and prototype auditory rehabilitation systems and equipment. This equipment is necessary for the successful conduct of a variety of rehabilitative auditory research and development programs and projects. This interdisciplinary rehabilitation research and development team will also work collaboratively toward advancing the discovery of new knowledge and technologies that optimize the auditory rehabilitation health care for veterans; and/or apply new, innovative, or experimental engineering theories, developments, or practices to problems or studies not susceptible to treatment by acceptable methods.

THIS POSITION IS IN THE BARGAINING UNIT

QUALIFICATION REQUIREMENTS:

Eligibility: Department of Veterans Affairs Qualifications Standards (VA Handbook 5005, Part II, Appendix G38) for GS-858 series applies and may be reviewed in the Human Resources Management Service Office.

Basic Requirements:

- Citizenship.** Citizen of the United States. (Non-citizens may be appointed when it is not possible to recruit qualified citizens)
- Education and/or Experience**
 - Bachelor's degree: Professional engineering.** To be acceptable, the curriculum must: (a) Be in a school of engineering with at least 1 curriculum accredited by the Accreditation Board for Engineering and Technology (ABET) as a professional engineering curriculum; or, (b) Include differential and integral calculus, and courses (more advanced than first-year physics and chemistry) in 5 of the following 7 areas of engineering science or physics: (1) statics and/or dynamics; (2) strength of materials (stress-strain relationships); (3) fluid mechanics and/or hydraulics; (4) thermodynamics; (5) electrical fields and circuits; (6) nature and properties of materials (relating particle and aggregate structure to properties); or (7) 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: [a] a thorough knowledge of the physical and mathematical sciences underlying professional engineering; and [b] a good understanding, both theoretical and practical, of the engineering sciences and techniques and their applications to 1 of the branches of engineering. The adequacy of such background must be demonstrated by 1 of the following:

- Professional registration:** Current registration as a professional engineer by any State, Territory, Commonwealth of the United States (e.g., Puerto Rico), or the District of Columbia. Absent other means of qualifying under this standard, those applicants who achieved such registration by means other than a 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 not be rated

(Continued on next page)

eligible for biomedical engineering positions.

2. **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 of a State, Territory, Commonwealth of the United States (e.g., Puerto Rico), or the District of Columbia.

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 2.b.(1).

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.

3. **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 2.b.(1).
4. **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.)

Specialized Experience: Completion of at least 1 (one) year of experience equivalent to the next lower level, and must fully meet the KSAs at that level.

The preferred candidate will possess the following KSAs:

1. Use of various C/C++ cross compilers and proprietary assembly languages to develop embedded system instrumentation for measuring auditory function in individuals with and without auditory system impairments.
2. Design, development and implementation of novel methodologies and instrumentation for clinical and investigational research evaluation and rehabilitation of auditory system impairments.
3. Proficiency in developing schematic diagrams and designing printed circuit boards for low noise and high speed electronics, using a variety of industry standard computer aided design tools.
4. Use of signal-processing toolsets, and ability to integrate signal processing functionality into standalone, custom-designed electronic medical/health care devices incorporating embedded digital signal processors.

BASIS OF RATING: (Knowledge, Skills, Abilities (KSAs))

Applicants must demonstrate through their experience or education that they possess the following professional KSAs (from VA Handbook 5005) and potential to acquire the assignment specific KSAs designated by an asterisk (*):

1. Ability to conduct an equipment management program that meets current JCAHO and NFPA requirements.
2. Ability to develop a curriculum for a continuing education program that addresses the safe and effective use of medical equipment and/or technology.
3. Ability to manage a recall and safety alert program for medical devices including medical device hazard investigations to assure compliance with patient safety goals, SMDA, and JCAHO requirements.
4. Skill in advising clinical and administrative staff on medical engineering technology, including existing and emerging technology and which addresses viability, long-term suitability, compatibility, and/or safety.
5. Ability to analyze organizational and operational problems and recommend timely and economical solutions involving medical equipment spanning initial concept, installation, and effective implementation of complex medical equipment.
- *6. Ability to conduct capital asset and infrastructure planning for medical equipment spanning initial concept, installation, and effective implementation of complex medical equipment.
- *7. Knowledge of the most complex and specialized clinical technology including service, system administration, training, and quality assurance.
8. Expert knowledge of, and the ability to interpret and apply, complex codes, regulations, guidelines, and standards associated with the biomedical engineering field.

CONDITIONS OF EMPLOYMENT:

This is an Excepted Appointment. Excepted service positions have been excepted from the requirements of the competitive service by law, Executive Order, or by OPM regulation (5 USC 2103 and 5 CFR part 213). Public law No. 108-170 converts this occupational series from the competitive civil service to the Hybrid Title 38 employment system.

Applicants without prior federal service will be appointed at step one of the grade

Although the duty station is shown in this announcement, it may be necessary to utilize the selected person's services at a

different location within the Portland VA Medical Center commuting area if conditions require it in the future
Under Executive Order 11935, only United States citizens and nationals (residents of American Samoa and Swains Island) may compete for civil service jobs. Agencies are permitted to hire noncitizens only in very limited circumstances where there are no qualified citizens available for the position.

All information submitted to this VA Medical Center is subject to verification by VetPro.

If you are a male born after December 31, 1959, and are at least 18 years of age, civil service employment law (5 U.S.C. 3328) requires that you must register with the Selective Service System, unless you meet certain exemptions.

A security clearance and a favorable suitability determination are required. Misconduct in prior employment, criminal, dishonest or disgraceful conduct, habitual use of intoxicating beverages, abuse of narcotics, drugs or other controlled substances, or reasonable doubt of loyalty to the United States are examples of reasons an offer of employment may be denied.

Public transit subsidy benefits are available. Carpooling assistance is provided. However, single occupancy parking is limited on main Portland campus.

A drug test may be required for an applicant who is tentatively selected.

Applicants appointed to direct patient care positions must be proficient in spoken and written English as required by 38 USC 7402(d) and 7407(d).

[VACareers](#) has descriptions of all Title 38 Jobs and their benefits.

This agency provides reasonable accommodations to applicants with disabilities. If you need a reasonable accommodation for any part of the application and hiring process, please notify the agency. The decision on granting reasonable accommodation will be on a case-by-case basis

The United States Government does not discriminate in employment on the basis of race, color, religion, sex, national origin, political affiliation, sexual orientation, marital status, disability, age, membership in an employee organization, or other non-merit factor.

It is the policy of the Department of Veterans Affairs that all Federal wage and salary payments are paid to employees by Direct Deposit/Electronic Funds Transfer (DD/EFT).

HOW TO APPLY:

US Citizens must submit:

1. [VA Form 10-2850c, Application for Associated Health Occupations](#)
2. Resume or CV
3. [OF-306, Declaration for Federal Employment](#) (January 2001 version or later).
4. Veterans Preference:
 - a. DD-214, Military Discharge Paper (member copy #4 for July 1979 or later editions) (For 5 Point Veteran's Preference).
 - b. [SF-15, Application for 10-point Veteran Preference](#) (December 2004 version or later)
 - c. VA letter of service-connected disability rating dated 1991 or later.
5. SF-50, Notification of Personnel Action (if applying as a current or former federal employee).
6. Copies of all current licenses, registrations, or certifications (applicable to job).
7. **A copy of your college transcripts**

All application packets must be received in Human Resources by Close of Business (COB) on 9/23/08. Application forms may be obtained in Human Resources Office or on our external website, <http://www.visn20.med.va.gov/Portland/mc/hr>

Applications may be mailed to:
Portland VA Medical Center, P4HRMS
Attn: T38H-08-602-SJ
PO Box 1034
Portland, OR 97207

Or brought in person to:
Portland VA Medical Center
3710 SW US Veterans Hospital Rd
Building 16, Room 300
Portland OR 97239

APPLICANT'S PLEASE NOTE:

- Education must be accredited by an accrediting institution recognized by the U.S. Department of Education in order for it to be credited towards qualifications (particularly positions with a positive education requirement.). Therefore, applicants must report only attendance and/or degrees from schools accredited by accrediting institutions recognized by the U.S. Department of Education.
- Applicants can verify accreditation at the following website: <http://www.ed.gov/admins/finaid/accred/index.html>. All education claimed by applicants will be verified by the appointing agency accordingly.

IMPORTANT NOTICE ABOUT APPLICANT'S RESPONSIBILITY:

- It is the applicant's responsibility to submit documentation to support his/her application for this position. Applicant is responsible for ensuring that all experience, formal training, award recognition, etc. are documented in the application package. Experience may include voluntary or other non-paid experience in the appropriate field. If you feel that your training record contains information pertinent to your qualifications, then you must submit a printed copy of your training record with your application package. Your training record will become part of the specific vacancy file and will not be filed in Official Personnel Folder. Human Resources Management Division will not photocopy any application material; applicants are responsible for making photocopies prior to submitting applications.
- **It is the responsibility of the applicant to ensure timely receipt of the application, regardless of the method used for submission. The VA assumes no responsibility for the late delivery of applications (i.e. postal service delays). The Portland VA Medical Center will not accept FAX, or emailed applications or applications in a US government envelope.**

