



INTERNSHIP & CAREER SERVICES

HOWARD R. HUGHES COLLEGE OF ENGINEERING

INTERNSHIP/JOB OPPORTUNITY

Posting ID:

Company: National Forest Service

Company Website: www.usajobs.gov

Job Title: Civil Engineer

Work Location: Inyo National Forest

Position Type: Full-Time Employment

Salary: \$45,512 to \$77,019/year

College Major(s): Civil Engineering

College Level(s): M.S. and PhD.

OVERVIEW

A career with the Forest Service will challenge you to manage and care for more than 193 million acres of our nation's most magnificent lands, conduct research through a network of forest and range experiment stations and the Forest Products Laboratory, and provide assistance to State and private forestry agencies.

It's an awesome responsibility - but the rewards are as limitless as the views.

This position is located on the Inyo National Forest, with a duty location of Bishop, CA.

This is a Civil Engineer position on the Inyo National Forest, on the Recreation/Engineering Staff in Bishop, CA. The incumbent of this position is responsible for performing a variety of duties requiring professional civil engineering expertise.

This position is being concurrently announced under USDA Demonstration Project procedures (open to Recent Graduates) under announcement number 16-RG-0810-202354-PW . Current or former Federal employees and candidates eligible for special hiring authorities may apply to both announcements, but should be sure to apply to this Merit Promotion Announcement in order to avoid losing consideration since different referral criteria apply to each type of announcement.

TRAVEL REQUIRED

Occasional Travel

Occasional Travel may be required for training and/or meetings.

RELOCATION AUTHORIZED

Yes

Entitlements for payment of basic moving expenses, as required and to the extent allowed by the Federal Travel Regulations (FTR) 302-3.101, are authorized for eligible applicants changing duty station when the change meets the distance tests as provided in FTR 302-1.1 and 302-2.6. In addition, the following relocation benefits are available: house hunting trip, temporary quarters and the use of relocation Services Company.



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KEY REQUIREMENTS

US Citizenship is required.

Selective Service Registration is required for males born after 12/31/1959.

DUTIES:

Duties listed are at the full performance level:

Provides professional engineering input into the interdisciplinary planning process for natural resource development activities involving engineering projects. Prepares original designs and preliminary and final layouts. Prepares or supervises preparation of special design specifications, cost estimates, and complete design package.

Develops and modifies civil engineering plans and specifications for new construction or to improve utility, quality, appropriateness, and appearance of construction. Oversees the development project plans and specifications prior to contract advertisement to ensure compliance with environmental requirements. Develops programs for maintenance of facilities with responsibility for a broad range of actions, including determination of necessity for, feasibility of, and extent of work required.

Prepares or reviews Environmental Analysis, Environmental Impact Statements, and special reports with regard to new or improved engineering construction. Reviews plans and specifications to determine construction practicability and recommends modifications to improve utility, quality, and appearance. Participate in pre-construction meetings to resolve construction problems that may be of unusual difficulty and complexity.

Reviews proposed construction changes and modifications, recommending major changes to superior to ensure the safety of all users. Supervises inspections of all facilities and road construction work, periodically making personal inspections to ensure all are maintained to the original standard of construction and to ensure compliance with safety, health and regulatory requirements.

Interprets Agency policy and contracts for contractor, and resolves problems relating to plans, specifications, materials, reports, etc. Works closely with the Contracting Officer in obtaining authorization for changes to the requirements of the contract.

HOW TO APPLY:

Please read the entire announcement and all the instructions before you begin.

The following instructions outline our application process.

You must complete this application process and submit all required documents electronically



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by 11:59 p.m. Eastern Time (ET) on the closing date of this announcement.

We are available to assist you during business hours (normally 8:00 a.m. - 4:00 p.m., Monday - Friday). Applying online is highly encouraged. If applying online poses a hardship, please contact our office during business hours well before the closing date for an alternate method. All hardship application packages with supporting documents must be submitted no later than noon on the closing date of the announcement in order to be entered into the system prior to its closing.

This agency provides reasonable accommodation to applicants with disabilities on a case-by-case basis; contact us if you are requesting this.

Step 1: Create a USAJOBS account (if you do not have one) at www.usajobs.gov. It is recommended that as part of your profile you set up automatic email notification to be informed when the status of your application changes. If you choose not to set up this automatic notification, then you will have to log into your USAJOBS account to check on the status of your application.

Step 2: Create a resume with USAJOBS or upload a resume into your USAJOBS account. Customize your resume to ensure it documents duties and accomplishments you have gained that are directly related to this position in order to verify that qualifications are met. Your resume must support your responses to the online questionnaire (you may preview the online questionnaire by clicking on the link at the end of the How You Will Be Evaluated section of the job announcement).

Step 3: Click "Apply Online" and follow the prompts to complete the Occupational Questionnaire and attach any additional documents that may be required.

You can update your application or documents anytime while the announcement is open. Log into your USAJOBS account and click on "Application Status." Click on the position title, and then select "Update Application to continue.

NOTE: Verify that uploaded documents from USAJOBS transfer into the Agency's staffing system. Once in the Agency's staffing system you will have the opportunity to upload additional documents. Uploaded documents must be less than 3MB and in one of the following document formats: GIF, JPG, JPEG, PNG, RTF, PDF, or Word (DOC or DOCX).

REQUIRED DOCUMENTS:

The following documents are required for your application to be complete. Our office cannot be responsible for incompatible software, illegible fax transmissions, delays in mail service, your system failure or downtime, etc. Encrypted and digitally signed documents will not be accepted. Failure to submit required, legible documents may result in loss of consideration.

Resume must include: 1) personal information; 2) education; 3) work experience including work



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schedule, hours worked per week, dates of employment; and title, series and grade if applicable; 4) supervisor's phone number, e-mail address for each work period listed, and whether we may contact for reference checks; and 5) other qualifications.

College Transcripts if education is required for meeting basic qualifications and/or used as a substitute for specialized experience. An unofficial copy is sufficient; however, if selected, an official transcript will be required prior to entering on duty. Education must have been successfully completed and obtained from an accredited school, college, or university. Foreign education must be evaluated by an approved organization. For additional information, refer to the U.S. Department of Education website at <http://www.ed.gov>. All transcripts must be in English or include English translation.

You must submit the documents below if you claim any of the following:

Current and Former Federal Employees

1. Most recent non-award Notification of Personnel Action (SF-50) showing that you are/were in the competitive service, highest grade (or promotion potential) held on a permanent basis, position title, series and grade AND

2. Most recently completed performance appraisal (dated within 18 months) showing the official rating of record, signed by a supervisor, or statement why the performance appraisal is unavailable. Do not submit a performance plan.

Current Permanent FSA County Employees: Most recent non-award Notification of Personnel Action (SF-50/equivalent) showing highest grade or promotion potential held on a permanent basis, position title, series and grade.

CTAP/ICTAP: Certification of Expected Separation, Reduction-In-Force Separation Notice, or Notice of Proposed Removal; AND most recent performance evaluation; AND SF-50

documenting separation or the position separating from. Worker's Compensation Separation:

Agency certification of inability to place employee AND Notification of Separation OR Separation SF-50. Disability Annuity Termination: Notification from OPM of disability annuity termination AND Separation SF-50. Military Reserve or National Guard Technician Special Disability Retirement Annuity under 5 U.S.C. 8337(h) or 8456: Certification of special disability retirement annuity from the military or National Guard Bureau AND Separation SF-50.

Veteran Hiring Authorities: VEOA, VRA and 30% Disabled Veterans: DD-214, Certificate of Release from Active Duty showing dates of service and discharge under honorable conditions. Disabled veterans must include VA letter & SF-15 if claiming 10 pt. preference. Current active duty members must submit certification that they are expected to be discharged or released from active duty under honorable conditions no later than 120 days after date the certification is submitted.

Schedule A, Persons with Disabilities Appointment: Sch A letter from a physician, local, state or federal rehabilitation office citing eligibility under 5 CFR 213.3102 (u).

Miscellaneous Authorities Not Regulated by the Office of Personnel Management: (Postal Career Service, Postal Service Commission, GAO, US Courts, etc.) Current Notification of Personnel Action/equivalent that reflects eligibility.

Peace Corps Personnel: Documentation of no less than 36 months of continuous service without a break of 3 days or more and separated within the last 3 years.



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Interchange Agreement with Other Merit Systems: Documentation of eligibility as listed in interchange agreement.

Certain Family Members Eligible under E.O. 12721: Most recent non-award SF-50 and performance appraisal.

Certain Military Spouses Eligible under E.O. 13473: Permanent Change of Station (PCS) orders issued within the last 2 years, that lists you as authorized to accompany the military member to the new duty permanent station; OR verification of the member's 100% disability (VA Letter); and/or verification of the member's death while on active duty (DD-1300 and Death Certificate) AND verification of the marriage to the service member (i.e. marriage license or other legal documentation verifying marriage).

Foreign Service: Most recent Foreign Notification of Personnel Action, under an unlimited, career-type appointment AND have completed at least 1 year of continuous service without a break of a workday under one or more non-temporary Foreign Service appointments.

Other Special Hiring Authorities: If claiming eligibility under a Special Hiring Authority not listed above submit appropriate supporting documentation.

Qualifications:

You must possess the Basic Requirements identified below to be considered for all positions at the GS-5 grade level and above. Transcripts must be provided with the application to validate that coursework requirements are met.

Degree: Successful completion of a full 4-year course of study in an accredited college or university leading to a bachelor's or higher degree that included a major field of study 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. The adequacy of such background must be demonstrated by one of the following:

Professional registration -- Current registration as a professional engineer by any State, the



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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.

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.

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 for a degree.

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.)

In addition to the basic requirements, the following additional education and/or experience are



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qualifying. Transcripts must be provided for qualifications based on education. Your application or resume must clearly show that you possess the specialized experience requirements. Specialized experience is defined as experience that is typically in or related to the work of the position to be filled and has equipped you with the particular knowledge, skills, and abilities to successfully perform the duties of the position. Experience refers to paid and unpaid experience, including volunteer work done through National Service Programs (e.g., Peace Corps, AmeriCorps) and other organizations (e.g., professional, philanthropic, religious, spiritual, community, student, social). Volunteer work helps build critical competencies, knowledge, and skills and can provide valuable training and experience that translates directly to paid employment. You will receive credit for all qualifying experience, including volunteer experience.

GS-7: One full year of graduate level education (coursework directly related to position being filled); Superior Academic Achievement (click the link to determine if you are eligible: <http://www.opm.gov/qualifications/policy/ApplicationOfStds-04.asp>); successful completion of a 5-year program of study of at least 160 semester hours leading to a bachelor's degree in engineering; one year of specialized experience equivalent to at least the GS-5 level; or an appropriate combination of graduate level education and specialized experience. Professional engineering experience is defined as nonroutine engineering work that required and was characterized by (1) professional knowledge of engineering; (2) professional ability to apply such knowledge to engineering problems; and (3) positive and continuing development of professional knowledge and ability. Examples of specialized experience for this position are: Under guidance, performed basic engineering analyses/evaluations of potential safety regulation deficiencies; interpreted/evaluated test conditions and results, with supervision; assisted in designing/developing routine construction drawings/specifications for projects with straightforward technical characteristics; used standard tables/formulas to perform engineering calculations; coordinated testing requirements/parameters with a higher-grade engineer; assisted with site visits to ensure construction was conducted in accordance with established contract specifications; applied/adapted a variety of standard computation and analysis methods, including the use of statistical and graphics methods to present engineering data; assisted in gathering data used to monitor the progress of contractors by performing basic surveys/investigations.

GS-9: 2 years of progressively higher level graduate education leading to a master's degree or master's or equivalent graduate degree (coursework directly related to the position being filled); successful completion of a 5-year program of study of at least 160 semester hours leading to a bachelor's degree in engineering and 1 year of appropriate professional experience; a combination of superior academic achievement and 1 year of appropriate professional experience; one year of specialized professional engineering experience equivalent to at least the GS-7 level; or an appropriate combination of specialized experience and education (only graduate education in excess of 18 semester hours may be used to qualify applicants for this grade level). Professional engineering experience is defined as nonroutine engineering work that



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required and was characterized by (1) professional knowledge of engineering; (2) professional ability to apply such knowledge to engineering problems ; and (3) positive and continuing development of professional knowledge and ability. Examples of specialized experience for this position are: Assisting in designing and developing routine construction drawings and specifications for projects with straightforward technical characteristics; assisting with site visits to ensure construction was conducted in accordance with established contract specifications; assisting in gathering data used to monitor the progress of contractors in achieving contract requirements and project milestones such as performing basic surveys and investigations to establish baseline data used to initiate a requirements review; or participating in facilities engineering management duties by coordinating routine maintenance and repair work at facilities such as housing complexes, administrative buildings, technical or special support buildings, warehouses, or community facilities.

GS-11: 3 years of progressively higher level graduate education leading to a Ph.D. degree or Ph.D. or equivalent doctoral degree (coursework directly related to position being filled); one year of specialized experience equivalent to at least the GS-9 level; or an appropriate combination of specialized experience and graduate level education (beyond what is required for a master's degree, i.e., more than 36 semester hours leading to a Ph.D.) Professional engineering experience is defined as nonroutine engineering work that required and was characterized by (1) professional knowledge of engineering; (2) professional ability to apply such knowledge to engineering problems; and (3) positive and continuing development of professional knowledge and ability. Examples of specialized experience are: Monitoring day-to-day performance of a contract by reviewing drawings for accuracy and adequacy, evaluating requests for routine design deviations, and/or conducting site surveys to determine the need for new equipment or material; preparing civil engineering design criteria for smaller or less complex projects, including portions of structures such as bridges, retaining walls, or structural pavement sections; planning and conducting engineering projects according to clear and specified objectives such as developing technical data on materials, sizes, dimensions, and quantities and costs of materials to be incorporated in formal specifications; or performing routine safety related assessments, such as determining compliance with existing Federal, State, and/or organization safety regulations and/or analyzing and evaluating potential safety regulation deficiencies.

To receive consideration for this position, you must meet all qualification requirements by the closing date of the announcement.

TIME IN GRADE REQUIREMENT: If you are a current federal employee in the General Schedule (GS) pay plan and applying for a promotion opportunity, you must meet time-in-grade (TIG) requirements of 52 weeks of service at the next lower grade level in the normal line of progression for the position being filled. This requirement must be met by the closing date of this announcement.

ADDITIONAL REQUIREMENTS:



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May be subject to satisfactory completion of one year probationary or trial period.

For additional information about the duties of this position, please contact Tamara Scholten at [760-873-2487](tel:760-873-2487); or by email at tamarascholten@fs.fed.us.