CIVIL ENGINEER / AGRICULTURAL ENGINEER

Posting ID: EM2051607A
Company: US Department of Agriculture
Position Type: Full-Time
College Major(s): Civil Engineering (CEE), Mechanical Engineering (ME)

Company Website: https://www.usda.gov/
Work Location: Elko or Fallon, NV
Salary:
College Level(s): Undergraduate-Senior, Graduate Student, PhD. Student, Alumni

OVERVIEW

The position assists the area/zone or similar engineer and is responsible for providing basic technical guidance and in-the overall planning, design, installation, and maintenance of the engineering phases of soil and water conservation practices.

Roles and Responsibilities
Provides technical assistance in the planning, design, and construction of engineering practices such as water management, animal waste management, erosion control, flood control, wetland creation or restoration, and other conservation practices.
Plans and conducts pre-bid site showings, approves construction schedules, monitors work for compliance with contract requirements, verifies the accuracy of invoices, prepares receiving reports for plan estimate.
Directs the quality assurance program, oversees government inspectors, recommends contract modifications, and performs other duties as delegated to contracting officer's representative.
Performs quality assurance activities, including site investigations and feasibility studies; conducting checks of field designs of structural works as prepared or approved by the State Conservation Engineer (SCE) prior to contracting.
Prepares or reviews field designs and preliminary and final drawings and specifications on civil engineering practices.
Provides technical guidance and training to personnel in the area of all engineering practices and in the use and care of engineering equipment.

Education and Qualifications
You must be a US Citizen or US National.
Males born after 12/31/1959 must be Selective Service registered or exempt.
Subject to satisfactory adjudication of background investigation and/or fingerprint check.
Successful completion of one-year probationary period, unless previously served.
Direct Deposit: Per Public Law 104-134 all Federal employees are required to have federal payments made by direct deposit to their financial institution.
Successfully pass the E-Verify employment verification check. To learn more about E-Verify,
Must possess and maintain a valid state motor vehicle operator's license for the type of vehicle(s) operated to perform the duties of this position.

Qualifications
Applicants must meet all qualifications and eligibility requirements by the closing date of the announcement including specialized experience and/or education, as defined below.

Basic Education Requirement:
Degree: Engineering. To be acceptable, the program must: (1) lead to a bachelor's degree in a school of engineering with at least one program accredited by ABET; 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 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 or licensure -- Current registration as an Engineer Intern (EI), Engineer in Training (EIT), or licensure as a Professional Engineer (PE) 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.
Written Test -- Evidence of having successfully passed the Fundamentals of Engineering (FE) examination or any other written test required for professional registration by an engineering licensure board in the various States, the District of Columbia, Guam, and Puerto Rico.
Specified academic courses -- Successful completion of at least 60 semester hours of courses in the physical, mathematical, and engineering sciences and that included the courses specified in the basic requirements under paragraph A. The courses must be fully acceptable toward meeting the requirements of an engineering program as described in paragraph A.
Related curriculum -- Successful completion of a curriculum leading to a bachelor's degree in an appropriate scientific field, e.g., engineering technology, physics, chemistry, architecture, computer science, mathematics, hydrology, or geology, may be accepted in lieu of a bachelor's 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.
In addition to meeting one of the Basic Requirements listed above, applicants must meet the following Minimum Qualifications Requirement in order to be considered:
Specialized Experience to qualify for the GS-09 level: you must possess at least one year of specialized experience equivalent to the GS-07 level or higher in Federal service, or comparable experience not gained through Federal service. Examples of specialized experience include:
providing assistance in the planning, design, and construction of engineering phases of soil and water conservation practices; conducting quality assurance reviews of planned, designed, and constructed engineering projects to recommend ways to improve the efficiency, effectiveness, and quality of products or services provided to internal and external customers; OR

Substitution of education in lieu of specialized experience for the GS-09 level: 2 year(s) of progressively higher level graduate education leading to a Master's degree or Master's degree or equivalent graduate degree in engineering or related discipline; OR

Combination of Education and Experience: A combination of graduate-level education and experience, as described above, may be used to qualify for this position. This combination must have equipped you with the necessary knowledge and/or experience to successfully perform the duties of this position. Combinations of experience and education must total at least 100% as outlined in OPM Qualifications policy.

Specialized Experience to qualify for the GS-11 level: you must possess at least one year of specialized experience equivalent to the GS-09 level or higher in Federal service, or comparable experience not gained through Federal service. Examples of specialized experience include: providing technical engineering guidance on soil and water conservation issues affecting farmers, landowners, and other parties; and/or planning, designing, and coordinating the engineering phases of soil conservation practices and watershed flood protection programs; OR

Substitution of education in lieu of specialized experience for the GS-11 level: 3 year(s) of progressively higher level graduate education leading to a Ph.D. degree or Ph.D. or equivalent doctoral degree in engineering or related discipline; OR

Combination of Education and Experience: A combination of graduate-level education and experience, as described above, may be used to qualify for this position. This combination must have equipped you with the necessary knowledge and/or experience to successfully perform the duties of this position. Combinations of experience and education must total at least 100% as outlined in OPM Qualifications policy.

For more information on the qualifications for this position, click here: https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/#url=0800-ndx

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 and can provide valuable training and experience that translates directly to paid employment. You will receive credit for all qualifying experience, including volunteer experience.

Education
You must submit a copy of your college transcripts or a list of college courses with credit hours, dates completed, and grades received to verify all education requirements (i.e. substitution of education and/or basic education requirement). If a relevant course is not clearly qualifying (e.g. special topic, seminar, research, thesis, obscure or misleading course title, etc.), please submit an official course syllabi and/or detailed course description from the university/college for that particular course to ensure you are properly evaluated. Please note that qualifications
Determinations are based solely on the information submitted for each particular vacancy announcement. You must document all requirements on every vacancy; we cannot use previous determinations as a basis for rating. All required information must be received by the closing date of this announcement, and non-submission of all required documents/documentation will result in non-consideration. Unofficial transcripts will be accepted. This information must be received by the closing date of this announcement. Non-submission of these documents will result in non-consideration.

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. Applicants must, therefore, only report attendance and/or degrees from schools accredited by accrediting institutions recognized by the U.S. Department of Education. Applicants can verify accreditation via this link. All education claimed by applicants will be verified accordingly. Important: If you are using foreign education to meet qualification requirements, you must send a Certificate of Foreign Equivalency with your transcript in order to receive credit for that education. Click on this link for more information.

How to Apply
https://www.usajobs.gov/GetJob/ViewDetails/570383000