

***PUBLIC NOTICE FOR POSITION BEING FILLED UNDER DIRECT HIRE
AUTHORITY (DHA) FOR CERTAIN COMPETITIVE SERVICE
POSITIONS (SECTION 9905)***

Direct Hire Public Notice Number: HNC-DHA-9905-19-010

Opening and Closing Dates: 21 November – 12 December 2019 (11:59pm CT)

Position Title: Mechanical Engineer (Multiple positions may be filled from this vacancy)

Series/Grade: GS-0830-12

Duty Location: Corps of Engineer - Huntsville, AL, Engineering Directorate, Mechanical Branch

Salary Range: \$75,360 - \$97,968

Work Schedule: Full-time

Appointment Type: Permanent

Travel Requirement: 30% Temporary Duty Travel required

Relocation Expenses: Permanent Change of Station (PCS) or Relocation bonus may be authorized

Incentives: Student Loan Repayment or other recruitment incentives may be authorized

Who May Apply: U.S Citizens, nationals, or those who owe allegiance to the United States.

Qualifications Requirements:

Basic Requirement for Mechanical Engineer:

A. Degree: Bachelor's degree (or higher degree) in engineering. To be acceptable, the program must: (1) lead to a bachelor's degree (or higher degree) in a school of engineering with at least one program accredited by the Accreditation Board for Engineering and Technology (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

B. 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:

1. 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.

2. 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, or Puerto Rico.

3. 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 A above. The courses must be fully acceptable toward meeting the requirements of an engineering program.

4. 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 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.

In addition to meeting the basic requirement above, to qualify for this position you must also meet the qualification requirements listed below:

Specialized Experience: One year of specialized experience which includes heating, ventilating, and air conditioning (HVAC) and plumbing design for facilities experience which includes performing related calculations involving well-understood mechanisms, preparing portions of conventional mechanical systems construction drawings, preparing construction specification drafts, reviewing shop drawings for minor components, articulating and documenting technical information and proficiency in using Microsoft Word, Excel and PowerPoint. This definition of specialized experience is typical of work performed at the next lower grade/level position in the federal service (GS-11).

Some federal jobs allow you to substitute your education for the required experience in order to qualify. For this job, you must meet the qualification requirement using experience alone--no substitution of education for experience is permitted.

Note: An ideal candidate will possess two years of the specialized experience listed above and degree in Mechanical Engineering.

Responsibilities/Duties:

1. Review architecture-engineer contractor design and construction drawings, design analyses, specifications, cost estimates, and studies for various systems such as: high pressure piping, pressure vessels and heat exchangers, chemical process and cryogenic piping, steam and power generation, air conditioning, heating, refrigeration, industrial ventilation, plumbing, air pollution abatement and energy conservation systems.
2. Check work for accuracy, completeness, and established procedures.

3. Visit architect-engineer contractor offices and review and spot-check mechanical features of their work during progress rendering advise, assistance and instructions on technical procedural aspects to insure proper interpretation and application of criteria, correct performance of work, expedite production, adjust discrepancies, aid in the solution of technical problems and effect overall coordination of mechanical features.
4. Review and check construction contractors shop drawings of mechanical equipment, devices and systems.

Conditions of Employment:

- 1) Must meet suitability for Federal employment
- 2) Will be required to provide proof of U.S. Citizenship
- 3) Male applicants born after December 31, 1959 must complete a Pre-employment Certification Statement for Selective Service Registration
- 4) Background Investigation is required
- 5) Will be required to serve a 2 year probationary period
- 6) This is a Career Program (CP) 18 position
- 7) Selectee must meet the positions requirements for Facilities Engineering certification at Level 2 within 24 months of entrance on duty.

How to Apply:

Please provide your current resume and a copy of transcript in Word or PDF format to:

Via Email: to CEHNC-DirectHireAuthority@usace.army.mil. Please ensure your email has the following subject line: HNC-DHA-9905-19-010, Mechanical Engineer, GS-12. Application packages will be accepted through 11:59pm CT on 12 December 2019.

***Application packages that are received after the closing date,
or do not contain resume will not be considered.***