

# US Army Corps of Engineers

<https://www.usace.army.mil/>

---

**POSITION TITLE:** Mechanical Engineer

**POSITION LOCATION:** Reno, NV

## **DESCRIPTION:**

The U.S. Army Corps of Engineers has approximately 37,000 dedicated Civilians and Soldiers delivering engineering services to customers in more than 130 countries worldwide. With environmental sustainability as a guiding principle, our disciplined Corps team is working diligently to strengthen our Nation's security by building and maintaining America's infrastructure and providing military facilities where our service members train, work and live.

The U.S Army Corps is looking for a Recent Graduate Engineer that will serve at a resident office, performing a full range of field engineering functions associated with assigned projects. Essential duties and responsibilities include, but are not limited to:

- Apply mechanical engineering knowledge of fluid and solid mechanics, thermodynamics, heat transfer, and engineer materials together with a thorough understanding of basic related ( e.g. electrical) engineering concepts, practical knowledge of construction methods and techniques in accomplishing assignments.
- Will be assigned projects that vary in type and size, but can be characterized by their variety; the use of accelerated schedules; the need for new and specialized equipment, materials and methods; unforeseen site conditions and limited accessibility; and hazardous, toxic and radiological waste (HTRW) considerations (e.g., soil contamination, removal of underground storage tanks with unknown contents, asbestos removal with concurrent operation); and/or dealings and coordination with a variety of interested parties, e.g., contractors, local government officials, state and local environmental agencies (e.g., water quality board, air quality board, county health department), and private landowners.
- Perform under rigid completion schedules and requires strict adherence to safety standards. Projects usually entail multi-million dollar expenditures.

## **REQUIRED QUALIFICATIONS:**

- One year of specialized experience which includes: Researching design specifications, reviewing scopes of work, preparing routine calculations (dimensions, quantities) and/or gathering cost information for mechanical engineering systems or projects. This definition of specialized experience is typical of work performed at the second lower grade/level position in the federal service (GS-05). Or
- Education: One full year of graduate level education in a field which demonstrates the knowledge, skills, and abilities necessary to do the work of a position, such as: mechanical engineering or a closely related engineering field. Or

- Superior Academic Achievement (SAA). In order to be creditable under this provision, Superior Academic Achievement must have been gained in a curriculum that is qualifying for the position to be filled, such as that identified in Education above. Superior Academic Achievement is based on: (1) Class Standing - Applicants must be in the upper third of the graduating class in the college, university, or major subdivision, such as the College of Liberal Arts or the School of Business Administration, based on completed courses; OR (2) Grade-Point Average (G.P.A.) - Applicants must have a grade-point average of either (a) 3.0 or higher out of a possible 4.0 ("B" or better) as recorded on your official transcript, or as computed based on 4 years of education, or as computed based on courses completed during the final 2 years of the curriculum; or (b) 3.5 or higher out of a possible 4.0 ("B+" or better) based on the average of the required courses completed in the major field or the required courses in the major field completed during the final 2 years of the curriculum.; OR (3) Honor Society Membership - Applicants may be considered eligible based on membership in one of the approved national scholastic honor societies listed by the Association of College Honor Societies (<https://www.achsnaatl.org/>). Or
- Combination of Education and Experience: A combination of education and experience may be used to qualify for this position as long as the computed percentage of the requirements is at least 100%. To compute the percentage of the requirements, divide your total months of experience by 12. Then divide the total number of completed graduate semester hours (or equivalent) by 18. Add the two percentages.

#### **DESIRED QUALIFICATIONS:**

- Professional registration or licensure -- Current registration as an Engineer Intern (EI), Engineer in Training (EIT)1, 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, e.g., in interdisciplinary positions. (The above examples of related curricula are not all-inclusive.)

#### **HOW TO APPLY:**

Interested applicants should send a resume to William Lein at [william.b.lein@usace.army.mil](mailto:william.b.lein@usace.army.mil).

Application period ends December 14th.