Naval Facilities Engineering Systems Command
NAVFAC MID-ATLANTIC

CIVIL ENGINEER / STRUCTURAL ENGINEER

Responsibilities

- Develop construction drawings for structural rehabilitation projects (e.g., existing buildings, bridges, support structures, earth retaining walls and slope stabilization, roofing systems).
- Assess structural condition of facilities to develop recommendations for necessary repairs and modifications.
- Develop engineering project scopes to ensure projects are justifiable and support the mission and operational requirements of the command.
- Review engineering design and reports at various stages of project design to ensure technical and functional adequacy.
- Compose technical correspondence to communicate designs, plans, and objectives to management officials, staff, and customers.
- You will write reports to define design and construction issues for review by decision makers.

Qualifications

- Providing advisory or review services on specific problems, projects, programs, and/or functions related to engineering, architecture, and/or community planning;
- Developing facility plans and objectives including criteria, procedures, and instructions; and
- Analyzing the impacts (i.e., benefits and liabilities) of facility projects.
- Developing structural engineering design documents for new construction projects and for renovation projects;
- Preparing structural engineering calculations in support of structural engineering designs for new construction and renovation projects;
- Developing design drawings including, but not limited to Foundation Plans, Floor and Roof Framing Plans, Elevations, Sections and Details for diverse building systems and types;
- Preparing statements of work and fee estimates for structural design projects drawing, specifications, and reports for compliance to codes and standards.

NOTE: This information must be supported in your resume to be considered for the position.

This position has a Selective Placement Factor that will be used to screen out ineligible candidates. This position requires current registration as a Professional Engineer (PE) by any State, the District of Columbia, Guam or Puerto Rico. You must submit a copy of your registration with your application.

Basic Requirements

Education:

A. 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

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)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.
2. Written Test -- Evidence of having successfully passed the Fundamentals of Engineering (FE)2 examination or any other written test required for professional

Additional qualification information can be found from the following Office of Personnel Management website: https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/0800/civil-engineering-series-0810/

Additional Information

You will be evaluated for this job based on how well you meet the qualifications above. Your resume is the key means we have for evaluating your skills, knowledge, and abilities, as they relate to this position. Therefore, we encourage you to be clear and specific when tailoring your resume to describe your experience and accomplishments. You will be rated based on the information provided in your resume along with your supporting documentation to determine your ability to demonstrate the following job elements.

Clearance: Secret

Conditions of Employment

- Must be a US Citizen.
- Must be determined suitable for federal employment.
- You will be required to obtain and maintain an interim and/or final security clearance prior to entrance on duty. Failure to obtain and maintain the required level of clearance may result in the withdrawal of a job offer or removal.