Notice

This notice is being provided as a result of the filing of an application for permanent alien labor certification for the job opportunity described below. Any person wishing to comment may provide documentary evidence to the Certifying Officer, U.S. Department of Labor; Employment and Training Administration; Office of Foreign Labor Certification; 200 Constitution Avenue NW, Room N-5311; Washington, DC 20210.

Research Engineers - Job ID #81398 in Wichita, Kansas

DUTIES: Independently interprets, organizes, executes, and coordinates research assignments in a field or specialization of an engineering discipline. Formulates and conducts research on problems of considerable scope and complexity. Works with composite layups and machining, using LaserDesk, CATIA V5, and Mastercam. Explores subject area and defines scope and selection of problems for investigation through conceptually related studies or series of projects of lesser scope. Essential Function 1: Performs Testing, Dimensioning, and Machining of coupons at various temperatures (RTD, ETD, CTD and ETW) using extensometers, clip gauges, sting gauges, and laser base extensometers. Applies diversified knowledge of engineering research principles, practices, and protocols in research projects; makes recommendations and conclusions which serve as the basis for decision making in a specialty area. Receives administrative supervision, with assignments given in terms of broad general objectives and limits. Responsibility 1: Develops or test models of alternate designs or processing methods to assess feasibility, sustainability, operating condition effects, potential new applications, or necessity of modification. Performs tension and compression tests, including setup, running and reducing the data to derive modulus, strength and position ratio data. Uses ASTM, SACMA and Boeing machining and testing standards. Responsibility 2: Focuses on material characterization, testing, dimensioning, machining of coupons, and data reduction. Responsibility 3: Researches and analyzes customer design proposals, specifications, manuals, or other data to evaluate the feasibility, cost, or maintenance requirements of designs or applications.

Essential Function 2: Develops model concepts and approaches as an individual researcher and acts independently on technical matters. Responsibility 1: Conducts research that tests or analyzes the feasibility, design, operation, or performance of equipment, components, or systems. Essential Function 3: Prepares analyses, reports, and assists with the preparation of, materials for grant proposals to obtain funding in support of research activities. Responsibility 1: Prepare proposal documents.

Essential Function 4: Serves as investigator on single or multiple projects of complexity and scope consistent with above criteria, and/or manages a research unit. Maintains currency of knowledge with respect to relevant state-of-the-art technology, equipment, and/or systems. Responsibility 1: Confers with engineers or other personnel to implement operating procedures, resolve system malfunctions, or provide technical information. Responsibility 2: Applies engineering principles or practices to emerging fields.

MINIMUM REQUIREMENTS: Bachelor's degree in Mechanical Engineering or a related field. 2 years of experience working in a research laboratory with composite layups and machining, using LaserDesk, CATIA V5, and Mastercam. Demonstrated ability with tension and compression tests, including setup, running and reducing the data to derive modulus, strength and position ratio data. Demonstrated knowledge of ASTM, SACMA and Boeing machining and testing standards. \$73,655/yr. - \$90,750/yr.

Reply to:

Raegan Brown HR Generalist National Institute for Aviation Research Wichita State University 1845 Fairmount Wichita, Kansas 67260