

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 #62490 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;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.7;Interprets? organizes?executes?and.coordinates.engineering.research.assignments.concerned.with. unique.or.controversial.problems;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;Formulates. and.conducts.systematic.problem.analysis.and.resolution.in.an.area.of.considerable.scope. and.complexity.through.series.of.complete.and.conceptually.related.studies?or.through.a. variety.of.projects.of.lesser.scope;Receives.administrative.supervision?with.assignments. given.in.terms.of.broad.general.objectives.and.limits;Responsibility.7_Oversee.aerospace. research.and.development.projects;Provide.program.management.for.FAA.projects.related. to.mechanical.testing.with.advanced.joining.methods;..Essential.Function.8;Develops. model.concepts.and.approaches.as.an.individual.researcher.and.acts.independently.on. technical.matters;Responsibility.7_Plan.or.conduct.experimental?environmental? operational?or.stress.tests.on.models.or.prototypes.of.aircraft.or.aerospace.systems.or. equipment;Work.with.material.properties?joining.methods.and.fabrication·.Acoustic. Emissions.Nondestructive.Inspection.(NDI).including.Ultrasonics?X_Ray.CT?Shearography? Thermography.and.visual?physical.and.thermal.testing.methods;Essential.Function.9; Collaborates.with.users.and.principal.investigators.on.design?analysis?application?and. reporting.of.research.projects·.provides.technical.leadership.and.technique.consultation;. Perform.specimen.noise.analysis.involving.acoustic.emissions?as.well.as.mechanical. testing.(coupon.and.sub_element.level).and.statistical.analysis;Perform.analysis.of.

Acoustic.Ultrasonic.data.in.carbon.fiber.reinforced.polymer.(CFRP).structures.to.investigate.failure.mechanics.and.progressions; Responsibility.7. Plan.or.coordinate.investigation.and.resolution.of.customers' reports.of.technical.problems.with.aircraft.or.aerospace.vehicles; Responsibility.8. Oversee.or.coordinate.activities.of.engineering.or.technical.personnel.involved.in.designing?fabricating?modifying?or.testing.of.aircraft.or.aerospace.products; Essential.Function.0; Prepares.analyses?reports?and.other.documentation.for.publication. presents.findings.at.local?national?and-or.international.meetings; Prepares?or.assists.with.the.preparation.of?materials.for.grant.proposals.to.obtain.funding.in.support.of.research.activities; Responsibility.7. Write.technical.reports.or.other.documentation?such.as.handbooks.or.bulletins?for.use.by.engineering.staff?management?or.customers; Essential.Function.1; Serves.as.investigator.on.single.or.multiple.projects.of.complexity.and.scope.consistent.with.above.criteria?and-or.oversees.a.research.unit; Maintains.currency.of.knowledge.with.respect.to.relevant.state_of_the_art.technology?equipment?and-or.systems; Responsibility.7. Analyze.project.requests?proposals?or.engineering.data.to.determine.feasibility?productibility?cost?or.production.time.of.aerospace.or.aeronautical.products;

MINIMUM REQUIREMENTS: Bachelor's degree in Aerospace Engineering, Mechanical Engineering or related STEM field. Two (2) years of related experience working in a research laboratory with the following: material properties, joining methods and fabrication; Acoustic Emissions Nondestructive Inspection (NDI) including Ultrasonics, X-Ray CT, Shearography, Thermography and visual, physical and thermal testing methods; mechanical testing (coupon and sub-element level) and statistical analysis. Demonstrated knowledge of Carbon fiber reinforced polymer (CFRP) and specimen noise analysis with acoustic emissions.

\$93,000/yr. - \$105,019/yr.

Reply to:

Raegan Brown

HR Generalist

National Institute for Aviation Research

Wichita State University

1845 Fairmount

Wichita, Kansas 67260