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Mechanical Design Engineer

City, State: **Huntsville, AL**
 Requisition Number: **10016**
 Date Posted: **7/1/2009**

Country: **United States**
 Employment Type: **Full Time**

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Description

As a winner of the 2008 and 2009 Best Places to Work Award, Jacobs ESTS Group offers a partnership in which you can grow personally and professionally with the advantages of strong leadership, competitive compensation, and rewarding career paths. Come join the team whose work is destined to have a long-range effect on future generations!

Develop designs for large spacecraft structures, secondary structures, assemblies, and ground support equipment. Support the ARES program and other new and existing programs at NASA's Marshall Space Flight Center. Work with a team of engineers and designers to select hardware components, develop Pro-Engineer (Wildfire 3.0) models, develop detailed design drawings, and provide fabrication support to shop personnel. Perform detailed check of other designers' drawings for completeness and accuracy. Attend meetings as requested. Develop and deliver presentations to management as needed. Collaborate with vendors and personnel from other NASA centers on designs. Minimal Travel Required.

We are an Equal Opportunity Employer M/F/D/V

Education, Training & Experience

BS degree (required) in Mechanical, Civil or Aerospace Engineering or related field from an ABET accredited institution with a minimum of 5 years applicable experience is required. Pro-Engineer CAD experience is required. Proficiency in the use of GD&T strongly desired. Experience with dynamic load and shock abatement, environmental closeouts, thermal protection systems, composites, and other non-metallic materials helpful.

Physical Requirements

Requires sitting for extended periods of time in meetings with peers, management, and with our client at NASA facilities to discuss technical issues (10%). Also, requires sitting for extended periods of time at a desk to write reports and perform engineering tasks (80%). Requires ability to walk between floors and multiple buildings at NASA and Jacobs facilities (10%). Stairs or elevators can gain access.

Work Environment

Office environment. Requires ability to provide clear, concise, accurate and timely communication, both verbally and in writing (100%). Requires ability to interact professionally with co-workers, management, and client (100%). Requires travel in the domestic USA (<15%).

Equipment and Machines

Requires ability to operate a personal computer, a telephone, fax machine, copier, calculator, and other general office equipment (100%).

Attendance

Normal workday is from 7:30 a.m. to 4:30 p.m., Monday thru Friday. Minimal overtime may be required (10%) to meet schedule milestones and to support technical demands of the job. Regular attendance is a necessity and adequate arrangements for delegating duties during absences are required.


Other Essential Functions

Ability to work independently with minimal supervision, and to make rational decisions, and to exercise good judgment (100%). Grooming and dress must be appropriate for the position and must not impose a safety risk/hazard to the employee or others.

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