Job Opening Printable Details

General Information
Job Opening ID: 13110
Job Opening Type: Standard
Posting Title: Mechanical Engineer
Job Title: Science & Engineering MTS 1
Job Family: Science & Engineering

Job Information
Created By: 01056 Tami Colonese
Created: 04/07/2015
Openings to Fill: Limited
Target Openings: 6
Available Openings: 6
Establishment ID:
Business Unit: STDBU Standard Bu
Company: LLL Lawrence Livermore Na
Department: 9775 Defense Technologies Engineeri
Status Code: 010 Open
Status Reason: New
Status Date: 04/13/2015
Desired Start Date: 04/07/2015
Encumb Date:
Projected Fill Date: 05/04/2015
Date Authorized: 04/13/2015
Referral Program ID:
Recruitment Contact:
Comp Occup C SE13
Appointment Code
Length of Assignment Indefinite Term
Service Level Standard

Locations
Code Location Target Openings Primary
LIVERMORE Livermore

Recruiting Locations
Recruiting Area Location Target Openings Primary
1001 Livermore, CA 1 Yes

Job Codes
Job Code Description Primary
SES.1 Science & Engineering MTS 1 Yes
SES.2 Science & Engineering MTS 2 No

Job Postings
Description Posting Type Post Date Remove Date Duration
LLNL Careers Page External Website 04/13/2015

Job Posting Description
Visible: External Only
Description Type: Anticipated Clearance Level
Description:
Anticipated Clearance Level: Q (Position will be cleared to this level). Applicants selected will be subject to a Federal background investigation and must meet eligibility requirements for access to classified information or matter. In addition, all L or Q cleared employees are subject to random drug testing. If you hold multiple citizenships (U.S. and another country), you may be required to renounce your non-U.S. citizenship before a DOE L or Q clearance will be processed/granted.

LLNL is an affirmative action/equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, marital status, national origin, ancestry, sex, sexual orientation, disability, medical condition, protected veteran status, age, citizenship, or any other characteristic protected by law.

Visible: External Only
Description Type: Job Description
Description:
NATURE AND SCOPE OF JOB
Defense Technologies Engineering Division (DTED)/Weapon Technologies and Engineering (WTE) Program, within the Engineering Directorate, has multiple openings for Mechanical Engineers. The selected candidates will participate in new and ongoing projects providing engineering support for diverse programs in the area of National Defense. Responsible for design and analysis of structural, thermal, and/or fluid systems with emphasis on hardware. The work will be in support of research and development projects as well as programmatic hardware deliverables. Will function as an individual contributor with general guidance as a member of a design team. These positions will report directly to Group Leaders in DTED.

IN ADDITION AT THE SES.2 LEVEL
Will work independently with limited direction. May work as a technical contributor on a multidisciplinary team. Scope of work involves parallel tasks with well-defined priorities. Will interact with colleagues, first-line to mid-level management, and sponsors internal and external to the Laboratory. Will contribute to the fulfillment of project and organizational goals.
ESSENTIAL DUTIES
- Develop conceptual designs of mechanical systems, test prototypes, and associated diagnostics.
- Independently define engineering requirements for structural, thermal, and/or fluid systems.
- Perform supporting engineering structural and thermal calculations.
- Generate detailed plans, schedules, and budgets for project activities.
- Oversee the detail design process, component part fabrication, and unit assembly.
- Prepare supporting safety and engineering documentation and participate in engineering design reviews.
- Participate in engineering testing operations, analyze results, and write reports.
- Interface with other organizations internal and external to the Laboratory to complete various LLNL design/processes.
- Work as a member of a project team in a dynamic environment.
- Perform all assignments in accordance with ES&H, security, and business practice requirements and policies.

IN ADDITION AT THE SES.2 LEVEL
- Test prototypes and associated diagnostics utilizing comprehensive knowledge of conceptual designs of mechanical systems.
- Perform independent technical tasks and projects and support research efforts.
- Follow defined policies and practices in selecting methods, techniques, and evaluation criteria for obtaining results based on analysis of multiple, largely identifiable factors.
- Provide solutions to a diverse range of moderate to complex issues/problems that require analysis and creative use of established techniques and methods.

ESSENTIAL SKILLS, KNOWLEDGE, AND ABILITIES
- BS in Mechanical Engineering, or equivalent level of demonstrated knowledge.
- Demonstrated knowledge of engineering hardware design, fabrication, or testing processes.
- Demonstrated knowledge of engineering analysis using structural or thermal computer codes.
- Proven understanding of and/or experience with design principles.
- Experience working in a multidisciplinary team environment.
- Working knowledge of material properties and manufacturing methods.
- Effective communication skills with proven ability to present concepts and ideas in a clear and coherent manner, both verbal and written for presentation and interaction with other technical staff members.

IN ADDITION AT THE SES.2 LEVEL
- MS in Mechanical Engineering, or equivalent level of demonstrated knowledge.
- Comprehensive knowledge of engineering hardware design, fabrication, or testing processes.
- Broad knowledge and application of engineering analysis using structural or thermal computer codes.
- Broad knowledge of material properties and manufacturing methods.
- Proficient verbal and written communication skills necessary to effectively collaborate in a team environment and present and explain technical information.

DESIRED SKILLS, KNOWLEDGE, AND ABILITIES
- Demonstrated knowledge of design applications employing high explosive materials.
- Knowledge of ASME Y14.5 drafting standards.
- Demonstrated knowledge of high explosives handling and assembly processes.

Visible: External Only
Description Type: Job Listing Standard Notes
Description:
NOTE: This is a Career Indefinite position. For important information about LLNL appointments refer to the FAQs above. Lab employees and external candidates may be considered for this position.

Visible: External Only
Description Type: Pre-Employment Drug Test
Description:
Pre-Employment Drug Test: External applicant(s) selected for this position will be required to pass a post-offer, pre-employment drug test.

Visible: External Only
Description Type: Pre-Placement Medical Exam
Description:
PRE-PLACEMENT MEDICAL EXAM: A job related pre-placement medical examination may be required.