

Requirement for Radiation Effects and Radiation Survivability Engineer (SME)

About Scientific, Inc.

Scientific, Inc. is a VA-Certified, Veteran-Owned, Employee-Owned Small Business headquartered in Huntsville, AL specializing in nuclear and space radiation effects system survivability, analysis, verification, and testing. Scientific provides full service science and engineering solutions to complex problems facing national defense and aerospace programs supporting both government and prime contractors. We study environment induced failures; explore new concepts and theories; execute and interpret environmental models; develop new technology designs and materials; and collaborate with government, industry, and academia to implement solutions for our customers.

Job Description:

Scientific is seeking an Electrical Engineer or Physicist who qualifies as a SME in Radiation Effects and Space and Nuclear Radiation Survivability to support Missile Defense Agency's Ground-based Midcourse (GM) Defense (GMD) Next Generation Interceptor (NGI) Program. The successful candidate would be a respected, results-oriented individual with experience leading and working in team and individual environments.

The candidate will become a member of team of respected SMEs who will evaluate NGI vendor analyses of radiation transport and thermo-mechanical effects from radiation pulses. Evaluate material, component, and system models of the NGI to support analysis using 1-D and 3-D transport codes and review transport analysis results. Review analysis results for thermomechanical stress induced in materials including optical surfaces and materials. Evaluate test plans, test procedures, and test reports for radiation stress testing of system materials.

Prior MDA or Missile Defense System (MDS) knowledge/experience desired but not necessary.

Education Requirements:

BS or MS Electrical or Physics with 15-20 years' experience.

Primary Job Location: Huntsville, AL

Job Posting: 4/13/2022

Position Type: Full-Time/Regular

Travel Requirements: 10 to 20 % per year

Security Requirements: Candidate must be a U.S. Citizen and possess, or have the ability to possess and maintain, a final Secret Clearance.

Closing Date: 5/13/2022

Scientific is an Equal Opportunity/Affirmative Action Employer, M/F/Disability/Veteran.

Scientific believes in recognizing employees' worth by offering competitive salaries and benefits, including health, dental, and vision insurance, 401(k) Plan, educational reimbursement, and much more.