

## Requirement for a Physicist I

### 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 entry/early-career level Physicist who is a respected, results-oriented individual with experience working in team and individual environments. Knowledge or experience in: Atomic Physics, Nuclear Physics, semiconductor Device Physics, and/or radiation effects on semiconductor devices. Experience in experimental hardware and software design and execution. Knowledge of radiation effects (TID, ELDRS, SEE, etc.) and or experience at radiation simulators a plus. Hands on experience with formal problem solving and failure analysis tools and techniques will be required. Software experience using LabView, MATLAB, C++, etc. a plus.

### Education Requirements:

BS or MS in Physics or Nuclear Engineering with 2-5 years' experience in Nuclear/Radiation Physics or Materials Science.

### Minimum Requirements:

- Background in radiation/nuclear physics
- Programming experience with languages such as Python, C++, FORTRAN, etc.
- Experience with modeling and simulation tools, e.g., FEA, CFD, STK, etc.

### Preferred Qualifications:

- Experience with radiation transport codes such as MCNP or Geant4
- Knowledge of semiconductor device physics
- Knowledge of radiation effects on electronic devices
- Experience in CAD tools such as SpaceClaim or SOLIDWORKS
- Experience with data processing tools (ROOT, Igor, etc.)
- Knowledge of Monte Carlo vs. deterministic methods
- Knowledge of radiation environments and predictive tools (SPENVIS, NASCAP, CRÈME, OMERE, etc.)
- Proficient in Linux

**Primary Job Location:** Huntsville, AL

**Job Posting:** 8/23/2021

**Position Type:** Full-Time/Regular

**Travel Requirements:** Up to 10%.

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

**Closing Date:** 12/31/2021

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) contributions, educational reimbursement, and much more.