Requirements for Analog Component Engineer

About Scientic, Inc.

Scientic, Inc. is a VA-Certified, Veteran-Owned Small Business headquartered in Huntsville, AL specializing in nuclear and space radiation effects system survivability, analysis, verification and testing. Scientic provides full-service science and engineering solutions to complex problems facing national defense and aerospace programs supporting both government and prime contractors. Our demonstrated experience extends from research and development through production and qualification. 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. We are looking for an Electrical Engineer focusing on analog components to support Strategic Microelectronics at Naval Surface Warfare Center (NSWC) Crane.

Job Description

Experienced, respected, results-oriented individual with successful career in engineering and project leadership positions. Accustomed to handling organizational issues and working with cross-functional, multi-disciplined groups to maintain efficiency, execution, and timely delivery of a final product. Proven track record with documented history of accomplishments in roles of increasing responsibility. Ability to effectively and efficiently communicate complex technical ideas to others.

Education:

BS in Electrical Engineering with at least 5 years' experience

General Skills:

- Provide analog component engineering support to technologist team, to include writing technical reports
- Advise military programs and designers on part selection
- Troubleshoot analog component issues and recommend solutions
- Understand electrical test methods and techniques, radiations effects, failure analysis tools and techniques, material analysis tools and techniques
- Interface with program offices, prime contractors, designers, parts manufacturers, test labs, and other government agencies
- Develop and review test plan documentation

Provide complete life-cycle support of strategic systems

Participate in Defense Logistics Agency (DLA) Audits, participate in Joint Electronic Devices Engineering Council (JEDEC) meetings, and perform reviews and make recommendations on Military Performance Specifications and Test Methods

Minimum Requirements:

Bachelor's Degree in a STEM field preferably in Electrical Engineering and at least 5 years of relevant experience, or equivalent

Component or Systems Engineering experience with a focus on quality and reliability standards and methods of IEEE parts

Knowledgeable or willingness to learn best design practices for IEEE parts

Basic understanding of military industry standards (MIL-STD)

Understand the different standards in regards to the type of part and has the ability to analyze the differences

Ability to communicate ideas to customers, program office, colleagues, and contractors

Understanding of Microsoft Excel with the ability to learn more complex functions

Ability to write technical reports

Understanding of basic electrical testing of IEEE parts

Ability to pass and maintain a Security Clearance (Note: U.S. citizenship is required to obtain a security clearance)

Preferred Qualifications:

Component Engineer with a focus on quality and reliability standards and methods of IEEE parts with a focus on IC's

Knowledgeable on best design practices for IEEE parts with a focus on IC’s including manufacturing processes

Understanding of the differences between military, industry, commercial, and automotive standards

Strong understanding of Microsoft Excel: Formula integration, Macros, etc.

Strong understanding of electrical testing of IEEE parts with the ability to perform basic electrical benchtop testing

Active Secret Clearance

Primary Job Location: Crane, IN

Job Posting: 5/16/2025

Position Type: Full-Time/Regular

Travel Requirements: 25-50% of the time

Security Requirements: Candidate MUST be a U.S. Citizen and possess (and be able to maintain) a Final Secret Clearance or meet the eligibility to obtain (and maintain) a Secret clearance.

Closing Date: 7/16/2025

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

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