

R&D Electrical Engineer at Sandia (Experienced)



Location: Albuquerque, NM; Livermore, CA; other US sites
Full Time, Regular

What Your Job Will Be Like

Are you passionate about research and development that supports high impact national security missions? Do you dream of advancing the state of the art in support of national security objectives? If so, you will want to apply for this opportunity to join a team of top creative thinkers in applying electrical engineering skills to help secure our nation.

As part of this diverse multidisciplinary team, you will work alongside world-class authorities and emerging leaders and use your skills in any of the following:

- Antenna design
- Component/system electrical design (hardware, firmware, and software)
- Digital signal processing and high-speed digital design
- Electromagnetics theory, analysis, and experimentation
- High-performance computing and algorithm development
- Modeling, simulation, and visualization of electrical systems and phenomenon
- Power systems and electronics
- Radiation effects
- Communication, control, and data acquisition systems
- Data capture and analytics
- Electrical breakdown
- Embedded systems, including ASIC, PLA and FPGA
- Microelectronics/silicon fabrication and design including MEMS/LIGA, CMOS
- Nanophotonic design & characterization
- Pulsed power and directed energy
- Verification & Validation techniques

Based on your interests, you will improve national security by engaging in areas that could include:

- Hypersonic vehicles
- Microsystems
- Power sources
- Radar, RF, and optical systems
- Satellite systems
- Integrated defense systems
- Nuclear weapons and deterrence
- Product development and realization
- Remote sensing and surveillance
- Telemetry systems

This position may require travel to support current efforts and identify new opportunities for growing our capabilities and impact

When applying to this requisition, you may be interviewed and/or hired by one of several multi-disciplinary teams providing electrical engineering expertise.

Qualifications We Require

- Master's in a related discipline plus 1 year of experience; or Bachelor's in a related discipline plus 5 years' experience
- Experience in electrical engineering
- Ability to obtain and maintain a DoE Q clearance

Qualifications We Desire

- Degree(s) in Computer Engineering, Electrical Engineering, Physics, Electronics Engineering or Mathematics
- Experience in defense, aerospace and/or weapon systems
- Experience in one or more of the following: electrical design, modeling & simulation, systems integration
- Experience working effectively in a collaborative and interdisciplinary team environment
- Ability to understand a variety of technical disciplines
- Superb communication, partnership, and people skills with demonstrable ability to perform effectively in a teaming environment
- Critical thinking, synthesis and problem-solving skills
- Ability to prioritize, lead, and complete projects within appropriate scope and timeframe
- Ability to obtain an SCI clearance

About Our Team

Sandia develops advanced technologies to ensure global peace. We have a legacy of developing and delivering creative solutions to enable the continued success of Sandia's programs across a diverse spectrum of mission areas. We have a number of elite, multidisciplinary teams committed to solving the engineering and technology challenges facing our nation.

Apply online at:
sandia.gov/careers
Job #: 666182

About Sandia:

Our culture values work-life balance; we offer programs such as flexible work schedules with alternate Fridays off, on-site fitness facilities, and three weeks of vacation. Sandia provides employees with a comprehensive benefits package that includes medical, dental, vision, and a 401(k) with company-match.

Sandia National Laboratories is the nation's premier science and engineering lab for national security and technology innovation. We are a world-class team of scientists, engineers, technologists, post docs, and visiting researchers all focused on cutting-edge technology, ranging from homeland defense, global security, biotechnology, and environmental preservation to energy and combustion research, computer security, and nuclear defense.

*World-changing technologies.
Life-changing careers.*

Learn more about Sandia:
www.sandia.gov