



# ADVANCED OPTICAL TECHNOLOGIES

## *Solutions in Physical Optics*

### **Optical Engineer Job Description**

Advanced Optical Technologies delivers next-generation solutions in physical optics, encompassing polarimetry, diffractive rendering, scatterometry, and photonic materials. AOT provides one-stop physics-based solutions, from early-stage research and feasibility analysis through verifiable modeling and simulation, custom metrology and experimentation, optomechanical and electro-optical design, data acquisition and analysis, algorithms and software, and sensors. AOT is located at Sandia Science and Technology Park (SSTP) outside the Sandia National Labs in SE Albuquerque.

**Job Performance:** Primary performance site is SSTP in Albuquerque, NM.

**Job Requirements:** Requires BS or MS with 0-2y experience & Candidate must be US citizen.

### **Qualifications:**

**Education:** degree in optical engineering or physics or closely-related field. This position requires background in physical optics, including optical and laser metrology, radiometry, and polarization, with experience in computerized data acquisition and instrument control on the LabView platform. Experience in optical instrument specification, design, build, and test are also relevant. Activities performed will include optical-engineering project task definition, execution, and documentation, laser metrology data-system development, automation, instrument design support, test, and validation, equipment purchasing, receiving, inspection, and inventory, instrument assembly and test, data-acquisition, and data-processing, primarily on the Matlab platform.

Additionally, candidate should have the following qualifications:

- Proficient in the use of computers and engineering software such as Labview and Matlab, office-related software, such as Microsoft, Excel Office products etc.
- Strong analytical and problem solving skills to resolve optical and laser metrology problems.
- Demonstrated ability to document results and distribute information in a well-presented format.
- Strong written and oral communication skills to interact with team members, customers, and support personnel.

Contact Email: [Career@advanced-optical.com](mailto:Career@advanced-optical.com) OR Call: **505-313-7068**