

## **Electro-Optics Engineer**

**Fibertek has immediate career opportunities available for Electro-Optics Engineers at its R&D facility in Fort Belvoir, Virginia.** The successful candidate will thrive in a fast-paced, small-company environment and have direct hands-on experience with Electro-Optical sensor systems. An understanding of the industry trends and best practices and a passion for taking advanced technology out of the laboratory and into the field is a major plus.

Fibertek is an advanced technology driven company that develops cutting edge technology with the end goal of translating into ruggedized, fielded customer solutions for a wide range of environments including space, airborne, vehicle, etc. Fibertek is an internationally recognized leader in the development of state-of-the-art laser and electro-optic solutions for the military, NASA, and Aerospace markets.

### **Job Overview**

As an Electro-optical systems engineers, you will conduct research to develop, demonstrate, test and evaluate Soldier Sensor systems and devices. The work load involves the exploitation of basic scientific knowledge through a series of sequential phases beginning with the establishment of requirements, development of a concept, definition of critical features and problems, development of a prototype design, and testing and evaluation of the concept for a completed product.

### **General Duties**

- Contribute to the engineering development by devising and evaluating concepts for design approaches; experimenting, investigating, and testing to produce new data, mathematical models, or methods to test concepts; formulate design criteria, measure and predict natural and social phenomena, and performance.
- Provide system engineering support and advice for system integration on new platforms when required.
- Able to design and develop prototypes, breadboards, brass-boards, components, technology demonstrators, and engineering models including fabrication.
- Develop standards and test plans to ensure reliability; technically coordinate and/or manage specific development being executed.
- Evaluate project initiatives, designs, and design changes at the system level for cost/schedule/performance impacts. Interface with all members of a multi-disciplinary product team to resolve system engineering issues and actions.
- Identify system requirements and work with other engineers and staff to oversee system design, development, integration, and product verification testing at the component and system level.
- Performs other duties as assigned.

### **Basic Qualifications**

- Minimum Bachelor's degree in the Engineering or Science fields. Other disciplines will be considered with appropriate experience. Advanced degrees desired.
- Minimum of 4 years of relevant experience.
- Experience in at least one of the following technical areas:
  - Electro – Optics
  - Thermal Imaging
  - Image Intensification / Low Light
  - Lasers
  - Augmented Reality
  - Machine Learning
- DAU Level 2 certification (or equivalent) in Engineering desired.
- Experience in Electro-Optic/Infrared (EO/IR) device development or project management
- Experience performing requirements decomposition, analysis of system performance, and specification generation and compliance leading to Soldier related EO/IR systems prototyping and potential fielding.
- Experience working with Program Managers and industrial EO/IR producers of systems
- Experience preparing technical reports and field tests related to electro-optic devices and systems and experience in Army programs acquisitions is highly desirable.
- Proficiency in MS Office, PowerPoint and MS Project required.



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- Excellent writing and editing skills.
- US citizenship is required.
- Active Secret clearance is required.
- Strong, demonstrated background in Science and Technology, Advanced Technology, and Acquisition.
- Strong understanding of policies and procedures impacting the development, application, and fielding of technology.

**Additional Qualifications**

- General office environment, some lifting and/or moving up to 25lbs required.
- Travel (CONUS & OCONUS) up to 25% of time.

Fibertek fosters a progressive learning environment that values inspiration, promotes professional challenge and encourages personal growth. We offer competitive compensation and an excellent benefits package that includes a flexible work schedule, comprehensive medical insurance, and a 401k plan. Relocation assistance will be available.

To explore this opportunity further, please send your resume to [jobs@fibertek.com](mailto:jobs@fibertek.com).

**Fibertek, Inc. is an equal opportunity and affirmative action employer. Applicants are considered regardless of race, color, religion, sex, disability, veteran status, or any other protected characteristic in accordance with applicable law.**