

## Career Opportunities

### *Free Space Optical Communication Engineer*

FIBERTEK, Inc. ([www.fibertek.com](http://www.fibertek.com)) is a well-renown small business providing DoD, NASA, Government and Aerospace customers laser and electro-optical instrumentation technologies typically used for fielded systems both terrestrial and spaceflight platforms. Our small business culture allows for the staff to be resourceful and innovative. We specialize in providing custom compact, high-reliability optical sub-system technologies – including LASER, receivers and electronic control systems. We are ISO 9001-2000 certified and have state of the art clean rooms for space and high power laser work. Fibertek also provides on-site technical support to the US Army and NASA through our engineering services contracts.

**Fibertek has an immediate career opportunity available for a Free-Space Optical Communication Engineer at its R&D location in Herndon, Virginia**

#### Job Overview:

Fibertek is seeking a mid-level engineer for the position of Free-Space Optical Communication Engineer. The candidate will be responsible for the design, development and testing of laser communications electronics/photonic hardware for space-borne, terrestrial and underwater applications.

#### General Duties:

- Direct hands-on contribution to the testing of high-speed optical transceiver systems for various free-space optical communication terminals (space, airborne, etc). This includes developing test plans and identifying test equipment.
- Design, development and troubleshooting of prototypes high-speed opto-electronic circuits for optical transmitters/receivers.
- Coordinate with other engineers (optical, mechanical, system) for the integration, test and qualification of free-space optical communication terminals.

#### Qualifications:

- Technical Degree required: Minimum B.S. in Electrical Engineering or a related engineering discipline. M.S. level degree with emphasis on fiber-optic communications preferred.
- Minimum of 3 years industry/lab experience in the design, development and testing of high-speed optical and/or fiber-optic transmitter/receiver sub-systems.
- Good knowledge of BER testing, Receiver and detector noise issues, optical modems and industry standards and qualifications of telecom components.
- Experience in digital control electronics and/or embedded electronics a plus.
- Able to translate requirements for space, airborne, underwater optical links for the design and development of optical transceiver sub-systems. Experience in space-flight electronics a plus.
- Strong communication and collaboration skills in a multi-disciplinary environment. Self-starter and able to work independently while coordinating with other engineering personnel.
- US citizenship required.



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**Work Environment**

- Laboratory/hands-on work may include class 10,000 clean-room working conditions
- Data analysis tasks, reporting and documentation will be performed in an office environment

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

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