

Electro-Optics Engineer I

Location USNH-Merrimack

Overview

Elbit Systems of America is a leading provider of high performance products, system solutions, and support services focusing on the defense, homeland security, commercial aviation, and medical instrumentation markets. With facilities throughout the United States, Elbit Systems of America is dedicated to supporting those who contribute daily to the safety and security of the United States. Elbit Systems of America, LLC is wholly owned by Elbit Systems Ltd. (NASDAQ: ESLT and TASE: ESLT), a global high technology company engaged in a wide range of programs for innovative defense and commercial applications. For additional information, visit www.elbitsystems.us.com or follow us on [Twitter](#).

Responsibilities

We are seeking an entry level electro-optical (EO) engineer to join our team in developing cutting edge products for our defense business. This position requires the direct application of electro-optics engineering and design

Outstanding communication skills are required to convey technical ideas to both the customer community and to company personnel. Support of proposal writing for optical and electro-optical system elements may also be required.

The position is expected to provide contribution in EO system proposal development, research, concept development, design, manufacture, integration and testing of advanced EO sensor imaging systems inclusive of Helmet Mounted Display Systems (HMDS), Night Vision Systems, Night Vision Cueing Displays (NVCD) Vehicle Mounted Applications (Forward Looking Infrared (FLIR), Eye Safe Laser Rang finders (ELRF), Manportable Handheld Targeting Systems (HTS), Missile Warning Systems (MWS), Degraded Visual Environment Systems (DVE), as well as the test equipment to support production of aforementioned products.

Highly desired skills include:

- Web based research in support of technology trade studies.

- Knowledge of Optical and Electro-Optical System performance modeling.

- Optical design of: VIS/SWIR/MWIR/LWIR optics both refractive and catadioptric architectures inclusive of: zoom lenses, afocals, microscopes, FLIR lenses, laser optics, relay lenses, and spectral optics.

- Knowledge in test and evaluation of Electro-Optic systems, such as: Straylight distribution, Sensitivity, NEDT, MRDT, MTF, FOV, Contrast, uniformity, spectral transmission, etc.

- Familiarity with the application and use of metrology equipment inclusive of: interferometers, spectrometers, image analysis (MTF), radiometers, etc.

- Direct involvement with the manufacture, assembly, and troubleshooting of systems.

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Qualifications

Bachelor's Degree in engineering (Optics, Physics, or similar).

Proficiency with the following or similar tools is highly desired: