Job Title:	Optical Engineer
Travel Required:	Minimal (<10%)
Position Type:	Full time

Job Description

Under general direction of the Engineering Director, performs optical engineering work related to the planning, design and assembly of complex optical projects. This may include coordinating projects with contractors, evaluating requests for changes or performing related work as required.

Responsibilities

- Developing and reviewing engineering plans and designs for optical engineering projects
- Effectively representing the department and the company in meeting with customers, and various business, professional and regulatory organizations, and in meetings with individuals
- Managing multiple projects/tasks, often with competing deadlines
- Writing technical reports and reviewing plans, specifications, estimates and engineering calculations;
- Communicating effectively with co-workers, the general public, representatives of public and private organizations to exchange or convey information and to receive work direction.

Skills/Qualifications:

Education and Experience:

- Bachelor of Science degree in Optics or equivalent with a minimum of 2 years' experience; or master's degree in Optics with minimum 1-year experience in optical design and engineering of complex optical systems
- Experience with the design/tolerancing of optical systems for manufacturing required
- Experience with microscope, projection, illumination system design is a plus
- Zoom lens design experience a plus

Knowledge of:

- Optical imaging system design.
- Engineering design theories and principles;
- Machining theories and principles a plus
- Applicable laws, regulations, codes, policies and engineering standard practices;
- Mechanical design concepts or CAD experience a plus

Requirements:

- Familiarity with component-level and system-level optical specification and design; imaging optics and illumination optics design and implementation; optical alignment methodologies and equipment; and opto-mechanical tolerance analysis
- Experience designing complex optical assemblies in ZEMAX or CODE V and performing tolerance analysis, performance modeling, stray light analysis, etc.
- Excellent technical judgment and prioritization; analytical and communication skills
- High level of comfort interfacing with other engineering disciplines
- Comfortable interacting with customers and suppliers in technical areas relating to project
- 3-D spatial awareness of complex virtual environments;
- Ability to interact with technical and non-technical staff and customers;
- Basic programming of macros a plus
- Experience with Interferometers, optical stackers, or other metrology equipment a plus
- Strong working knowledge of concept through production cycle of a successful optical instrument with aggressive project timelines and performance/cost targets

Physical Requirements and Working Conditions:

Must possess mobility to work in a standard office setting and to use standard office equipment, including a computer, and to attend meetings at various sites; strength to lift and carry materials and equipment up to 25 pounds, vision to read printed materials and a computer screen; and hearing and speech to communicate in person and over the telephone and/or videoconference.

Navitar is an Equal Opportunity Employer. Applicants are selected based on demonstrated ability, experience, training and potential. It is the company's policy to select qualified persons without prejudice or discrimination and to comply with all federal, state and local laws and regulations in relation to hiring. Navitar is an ITAR registered manufacturer.

Interested candidates can email their resume to Engineering@navitar.com.