



Come Create and Build with Us!

OptoSigma Corporation
1540 Scenic Avenue, Suite 150
Costa Mesa, CA 92626 USA
+1 949-851-5881
www.optosigma.com
sales@optosigma.com

Physicist

Optical Physics & Systems Engineering | Advanced Degree or 5+ Years Experience

Location: On-site

Employment Type: Full-Time

Reports To: Engineering Manager

About OptoSigma

OptoSigma is a leading provider of optical components, opto-mechanics, systems, and solutions for research, development, and manufacturing applications. We specialize in providing high-quality products to various industries, including semiconductors, aerospace, defense, and more. We are committed to excellence, innovation, and customer satisfaction.

Our teams design and build everything from single optical elements to complex multi-element assemblies and systems, working alongside in-house optical, mechanical, systems, electrical, and software engineers. Precision, quality, and hands-on craftsmanship are central to how we work.

About the Role

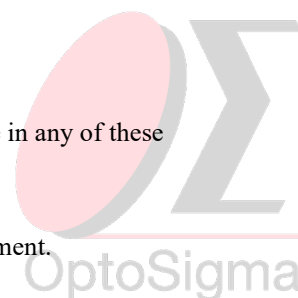
We're seeking an experienced Physicist to support the design, analysis, and characterization of optical & optomechanical systems and components. This role works closely with optical, mechanical, and systems engineering teams to solve complex technical challenges across a wide range of applications, from research instrumentation to production systems. We're looking for someone energetic and eager to jump into a wide variety of projects, bringing enthusiasm to solving new problems as they come up.

What You'll Do

- Analyze and model optical & optomechanical systems, components, and phenomena using first-principles physics and simulation tools.
- Support design, specification, and performance characterization of optical assemblies and systems.
- Develop and conduct experiments to validate designs, troubleshoot issues, and characterize component performance.
- Collaborate with optical and mechanical engineers on system-level design trade-offs and tolerancing.
- Provide technical guidance on optical design, metrology, and testing methodologies.
- Support new product development, from concept and feasibility through validation.
- Document analysis, test methods, and results for internal and customer-facing use.
- Mentor junior engineers and technicians on best practice design principles and measurement techniques as needed.

What We're Looking For

- MS or PhD in Physics, Optics, Optical Engineering, or related field, or a bachelor's degree in any of these fields with 5+ years of directly relevant experience.
- Strong foundation in optics, electromagnetics, and/or photonics.
- Experience with optical design/simulation software or optical test and measurement equipment.





Come Create and Build with Us!

OptoSigma Corporation
1540 Scenic Avenue, Suite 150
Costa Mesa, CA 92626 USA
+1 949-851-5881
www.optosigma.com
sales@optosigma.com

- Ability to translate theoretical analysis into practical designs and test plans.
- Strong analytical and problem-solving skills, with comfort working in ambiguous, research-adjacent situations.
- Clear technical communication skills, written and verbal.

Nice to Have (Not Required)

- Experience in laser systems, metrology, interferometry, or precision optical alignment.
- Publication record or research experience in optics/photonics.
- Experience supporting product development in a manufacturing environment.

Benefits

We offer a competitive, comprehensive benefits package built to support your health, financial security, and long-term growth.

- Health, dental, and vision coverage
- Retirement savings plan
- Paid time off and holidays
- Life and disability insurance
- Opportunities for professional growth and development

How to Apply

Please submit your resume and cover letter to dan.denison@optosigma.com & HR@optosigma.com.

