

Senior Optical Specialist (Fab Shop Manager – Optical Manufacturing) University of Rochester – Laboratory for Laser Energetics (LLE)

About Us

The University of Rochester is driven by the ideal of *Meliora*—Ever Better. As a community, we value equity, leadership, integrity, openness, respect, and accountability. We are committed to fostering a welcoming environment where all can thrive.

Job Summary

We are seeking a skilled **Fab Shop Manager** to join our Optical Manufacturing Group at the Laboratory for Laser Energetics. This role involves hands-on optical fabrication, equipment maintenance, and collaboration with researchers on high-precision custom optics.

Key Responsibilities

- Fabricate optical components by grinding, polishing, beveling, and cleaning various materials.
- Operate machinery including:
 - Continuous polishers (up to 350mm)
 - Double-sided grinders/polishers (up to 4")
 - Conventional grinding machines
- Read and interpret optical drawings to determine best fabrication approach.
- Assist in tooling design and execute complex setups.
- Use metrology tools: micrometers, calipers, interferometers, profilometers, autocollimators.
- Maintain shop inventory and order supplies.
- Collaborate with scientists, engineers, and students on custom projects.

Qualifications

- Associate's degree in optical fabrication/systems **and** 10+ years of related experience; or equivalent combination of education and experience.
- Experience operating optical grinding and polishing equipment is required.

Skills & Abilities

- Strong mechanical aptitude and problem-solving skills.
- Ability to work independently and manage multiple tasks.
- Comfortable handling heavy glass substrates.
- Professional, collaborative demeanor when working with colleagues and vendors.

Why Join Us?

At the University of Rochester, we strive to *Learn, Discover, Heal, Create – and Make the World Ever Better*. We are committed to diversity, equity, and inclusion, and welcome applicants from all backgrounds.

Apply today and be part of a world-class research team shaping the future of laser science and optical innovation.

Job Type: Full-time

Pay: \$63,815.00 - \$95,723.00 per year

Benefits:

- 401(k)
- 401(k) matching
- Dental insurance
- Health insurance
- Life insurance
- Paid time off
- Vision insurance

Shift:

- 8 hour shift

Work Location: In person