



Senior Engineer: Process and Facilities Engineer for the Boulder Micro-fabrication Facility

The Boulder Micro-fabrication Facility (BMF) at the National Institute of Standards and Technology (NIST) in Boulder, CO anticipates the need for a Senior Engineer to work in support of the Facility. The BMF is a world-class research cleanroom providing for the fabrication needs of the NIST, Boulder community. Housed in a 1,700 m² ISO 5 (18,300 sqft class 100) cleanroom, the BMF furthers the NIST mission through micro- and nano-fabrication capabilities.

Reporting to the manager of the BMF, the Senior Engineer will provide leadership within the BMF and its user community for the operation/maintenance of research equipment, process development, support of facility infrastructure, development/implementation of safety policies, and training. Excellent organization, planning and oral/written communication skills required. Successful applicant will:

- Work with staff and users to maintain laboratory tools in top working condition, with emphasis upon process monitoring, preventive maintenance, and rapid troubleshooting.
- Provide guidance on, work directly with and train the users on various techniques for using the fabrication/metrology equipment, and work directly with a variety of fabrication/metrology equipment in a hands-on fashion.
- Train researchers and laboratory users in the proper operation of various laboratory tools and provide general processing procedures associated with those tools.
- Be a key member of the BMF safety team providing assistance in a variety of areas such as: toxic gases, flammable chemicals, high voltage systems, vacuum systems, and strong acids/bases.

We are interested in selecting a highly qualified candidate for a Physicist, ZP-1310-IV. The basic qualification requirement for a Physicist position is a degree in Physics or a related field. Additional information on requirements can be found in the [OPM qualifications](#). The pay band IV salary ranges from \$90,779 to \$139,457. In addition to the basic requirements, applicants must have one year (52 weeks) of specialized experience equivalent to the GS-12 level (ZP-III at NIST). Specialized experience is defined as direct experience working in a cleanroom

environment, micro-fabrication process development, and repair and troubleshooting process equipment.

Interested candidates should please email a cover letter, resume/CV and names/contact information for three references to john.nibarger@nist.gov. This position requires U.S. citizenship. Salary will be commensurate with experience. When the position is available, a vacancy announcement will be posted on <http://www.usajobs.gov/>.

The Boulder Micro-fabrication Facility is part of the Physical Measurement Laboratory of the National Institute of Standards and Technology (NIST). Founded in 1901, NIST is a non-regulatory federal agency within the U.S. Department of Commerce. NIST's mission is to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life. The NIST Boulder laboratories are located roughly 45 minutes from Denver, Colorado. The Department of Commerce is an Equal Opportunity Employer.