

## PREP Research Associate

This position is part of the National Institute of Standards (NIST) Professional Research Experience (PREP) program. NIST recognizes that its research staff may wish to collaborate with researchers at academic institutions on specific projects of mutual interest, thus requires that such institutions must be the recipient of a PREP award. The PREP program requires staff from a wide range of backgrounds to work on scientific research in many areas. Employees in this position will perform technical work that underpins the scientific research of the collaboration.

### Research Title:

Legal Metrology Intern

### The work will entail:

Work closely with mentor and subject matter experts to design and develop engaging website content, classroom activities, illustrations and graphic artwork, posters, and videos.

### Key responsibilities will include but are not limited to:

### Qualifications

- Pursuing an undergraduate major in Graphic Illustration, Design or Fine Art, Education, Communication Studies, Digital Media and Web Technology, Professional and Technical Writing, Science, Technology, Engineering, Mathematics, or related field.
- A creative mindset, strong oral and written communication skills are required to successfully complete this project.
- Strong collaboration, planning, problem solving, time management, and project prioritization skills are needed.
- Passionate about learning and education, especially Science, Technology, Engineering, Art, and Mathematics (STEAM), and the International System of Units (SI, commonly known as the metric system). Experience and familiarity with national and Maryland state STEAM curriculum is desired, but not required.
- Knowledge of practices and perspectives of students of various ethnic, racial, and cultural backgrounds.
- Interest in everyday life skills areas, such as cooking and baking with a scale using grams.
- Experience with teaching, mentoring, public speaking, creative writing, storytelling, fine art or graphic design (including photography, videography, or animation), technical aspects of film/video production, and some familiarity using creative software programs (e.g., graphic art - Adobe Creative Cloud, Canva or similar; videos - Final Cut Pro X, Adobe Premier, DaVinci Resolve, or similar), is preferred, though not required.

### Privacy Act Statement

**Authority:** 15 U.S.C. § 278g-1(e)(1) and (e)(3) and 15 U.S.C. § 272(b) and (c)

**Purpose:** The National Institute for Standards and Technology (NIST) hosts the [Professional Research Experience Program \(PREP\)](#) which is designed to provide valuable laboratory experience and financial

assistance to undergraduates, post-bachelor's degree holders, graduate students, master's degree holders, postdocs, and faculty.

PREP is a 5-year cooperative agreement between NIST laboratories and participating PREP Universities to establish a collaborative research relationship between NIST and U.S. institutions of higher education in the following disciplines including (but may not be limited to) biochemistry, biological sciences, chemistry, computer science, engineering, electronics, materials science, mathematics, nanoscale science, neutron science, physical science, physics, and statistics. This collection of information is needed to facilitate administrative functions of the PREP Program.

**Routine Uses:** NIST will use the information collected to perform the requisite reviews of the applications to determine eligibility, and to meet programmatic requirements. Disclosure of this information is also subject to all the published routine uses as identified in the Privacy Act System of Records Notices: NIST-1: NIST Associates.

**Disclosure:** Furnishing this information is voluntary. When you submit the form, you are indicating your voluntary consent for NIST to use of the information you submit for the purpose stated.