

## **PREP Post-Masters Researcher (US Citizen)**

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. This position requires US Citizenship.

The position will collaborate with NIST researchers and NIST's external collaborators in a variety of topics relevant to their work including social scientists, engineers, and scientists – connecting economics to fundamental research, multi-disciplinary analysis, and decision support tools related to activities across a range of research topic areas, building and infrastructure, circular economy, resilience, and decision science.

The position is in the Applied Economics Office (AEO), a part of the Engineering Laboratory (EL) at NIST, provides economic products and services through research and consulting to industry and government agencies in support of productivity enhancement, economic growth, and international competitiveness, with a focus on improving the life-cycle quality and economy of constructed facilities and manufacturing processes that support social and economic functions. The AEO is integrated within EL's major research thrusts: energy conservation, community resilience planning, manufacturing, fire, smart grid, building construction, and safety. The AEO delivers high quality research and tool development that informs and assists stakeholders in their decision-making processes.

The work will entail:

### **Key responsibilities could include, but are not limited to, leading the following activities:**

- Analyzing data
- Reviewing relevant literature
- Assist in Designing data collection instruments
- Writing reports and research articles
- Assist in Publishing within refereed journals and technical research series
- Communicating research at professional conferences

### **Qualifications**

- US Citizen
- A master's in economics, Social Science, Psychology, Policy, or related field.
- Background in econometrics or statistics and at least two of the following areas:
  - Applied microeconomics
  - Decision-science or behavioral-science
  - Environmental economics
  - Environmental studies
  - Geography
  - Non-market valuation
  - Policy
  - Psychology

- Regional studies or planning
- Regional Economics
- Risk and uncertainty
- Social Science
- Sociology
- Strong oral and written communication skills.
- Logical thinking and Problem solving
- Patience and Attention to detail
- Excellent writing and communication skills

Please upload the following (preferably in a single PDF) with your application:

- Job Description
- CV/Resume

### **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.