## Metrologist

**Department:** Laboratory  
**Location:** Little Rock, Pulaski County

**Hiring Authority:**  
1 Natural Resources Drive  
Little Rock, AR 72205  
Phone: 501/823-1730  
E-mail: jill.franke@agriculture.arkansas.gov

Standard State of Arkansas employment application required.  
Apply online: [https://arcareers.arkansas.gov](https://arcareers.arkansas.gov)

### STATE’S MINIMUM QUALIFICATIONS:

#### Education/experience requirements:
- The formal education equivalent of a bachelor’s degree in metrology, mathematics, physics, statistics, or a related field.
- Must be certified by the National Institute of Standards and Technology within one year of employment.

#### Knowledge of:
- Mathematical measurement formulas and procedures.
- State and federal laws and regulations governing calibration systems.
- Records management procedures.
- Basic computer programming.

#### Ability to:
- Apply metrological formulas, procedures, and techniques.
- Calibrate standards and identify error sources to determine reliability of measurement equipment.
- Redesign or adjust measurement capabilities to minimize errors.
- Prepare and present oral and written information and reports.

### Preferred Qualifications:
- Graduation from a four-year college or university with a major in math, physics or other related sciences or an equivalent combination of training and experience in the laboratory setting.
- Familiar with working knowledge of statistical techniques and analyses.
- Occasional out of state travel required for NIST and/or USDA training.
- Overnight in state travel for moisture meter inspections when necessary.
- Ability to follow detailed work instructions and guidelines, communicate effectively with industry personnel, public and state inspectors.
- Ability to complete written reports using Microsoft Word, Excel, and PowerPoint software.
- Ability to use electric hoists/forklifts to move and manipulate mass standards weighing up to 1000lbs, ability to safely lift multiple 50lbs/25lbs/25 kg cast iron weights (as many as 50 per day).
- Assist in the operation of the metrology laboratory by providing calibration and tolerance services in mass and volume measurement for the state government and private industry.
- Work involves responsibility for scheduling the workload, maintain quality control standards and documentation on the instruments used in tolerance testing.
- Work in Grain moisture laboratory and conduct field inspections of the commercial grain moisture meters in the state of Arkansas if required.
- Follow laboratory SOP’s, SAP’s, and QA policies to maintain the laboratory accreditation.
- As required, participate in offsite NIST training seminars and webinars.