

### Class Concept

This is technical work in the certification of official and commercial measurement standards. Position performs tests that determine mass, volume, and linear measurements by utilizing precision electronic balances, containers of known volume, and standards of known length traceable to national standards. Position alters test weights to bring them into conformance with allowable tolerances and makes minor adjustments to meters or scales as necessary to bring them into conformance. Position may conduct performance tests on meters and scales to determine accuracy. Unlike the Metrologist I, the Metrologist II serves as a lead worker. This involves reviewing the work of other Metrologists and resolving minor work problems. This position also functions as a quality assurance manager. Working with the Metrology Laboratory Manager, this position maintains, analyzes, and updates laboratory statistical data; and identifies problems with and makes improvements to laboratory measurement capabilities. This position coordinates corrective action for any measurement error or underestimation that may affect the calibration of devices. Work may include other duties as assigned.

### Recruitment Standards

#### Knowledge, Skills, and Abilities

- Working knowledge of mathematics and the principles of statistics.
- Working knowledge of the laws and regulations related to standards of measurement.
- Working knowledge of metric and avoirdupois measuring systems.
- Working knowledge of the mathematical principles involved in computing weights, volumes and linear measurements.
- Ability to follow detailed guidelines.
- Ability to communicate effectively with staff, industry personnel, and the public.
- Ability to oversee the work of others.
- Ability to learn and operate applicable computer software packages. Ability to complete written reports.

#### Minimum Education and Experience

Bachelor's degree in math, physics or other related science from an appropriately accredited institution and one year of metrology related experience; or an equivalent combination of education and directly related experience.

#### Necessary Special Qualification

Ability to complete the basic and intermediate metrology training course offered by the National Institute of Standards and Technology.