**P1: Level Standards**

**GENERAL ROLE**

This level is accountable for directly providing service to any assigned work unit at the University. The service can focus on a single or a variety of job functions with varying degrees of independence.

Incumbents:

* Put into effect what is required by defined job duties and responsibilities following professional norms or established procedures and protocols for guidance.
* Assignments tend to be reoccurring and work outputs generally are delivered in a prescribed form/format.
* May alter the order in which work or a procedure is performed to improve efficiency and effectiveness.

**INDEPENDENCE AND DECISION-MAKING**

*🡪 Supervision Receive*d

* Works under supervision.
* Progress and outcomes are reviewed for consistency with instructions and established procedures.

*🡪 Context of Decisions*

* Determines the process of how work is to be done based on precedent, practice, and existing policy at the unit/office level.

*🡪 Job Controls*

* Receives some instructions with respect to details of most work assignments.

**COMPLEXITY AND PROBLEM SOLVING**

*🡪 Course of Resolution*

* Resolutions are typically generated by utilizing existing procedures or practice.
* Typically, problems can be quickly and relatively easily resolved.

*🡪 Measure of Creativity*

* Tasks or activities are reoccurring with emphasis typically on precision and timeliness of execution.

**COMMUNICATION EXPECTATIONS**

*🡪 Manner of Delivery and Content*

* Regularly provides information on finished materials to others.

**SCOPE AND MEASURABLE EFFECT**

* Actions regularly affect an individual, item, event, or incident, etc.
* Actions taken are generally done to meet reporting requirements or regulatory guidelines, or to satisfy internal checks and balances and/or existing standards.
* Incumbents indirectly promote the general welfare of students, faculty and staff, and safeguard the institution by playing an important role within a process.

**Job Template**

**GENERAL SUMMARY**

Designs, constructs, and maintains moderately complex scientific, electronic, and mechanical equipment and instruments to support the specialized research and teaching activities of a department or division.

**REPORTING RELATIONSHIPS AND TEAMWORK**

Works under supervision of a supervisor or manager.

**ESSENTIAL DUTIES AND RESPONSIBILITIES**

*The intent of this section is to list the primary, fundamental responsibilities of the job – that is, the duties that are central and vital to the role.*

* Designs, constructs, tests, troubleshoots, and installs scientific and electronic devices, equipment, and instruments.
* Adjusts, calibrates, aligns, tests, and modifies scientific and electronic equipment and instruments.
* Performs preventive maintenance and repairs on standard scientific and electronic instruments and equipment.
* Advises faculty, researchers, technicians, and students on equipment and component capability and performance. Recommends appropriate equipment for experimental purposes.
* Monitors inventory of supplies, orders as necessary, and monitors expenditures.
* Instructs others in the proper and safe use of scientific electronic equipment and instruments.
* Provides general support services such as carpentry, plumbing, electrical wiring, and other services related to lab equipment.
* Controls and coordinates use of lab equipment, assigning equipment to various teaching laboratories as needed.
* Keeps informed regarding current developments in the field of electronics and academic discipline specific to the department to be served.
* Performs related work as required.

**MINIMUM QUALIFICATIONS**

* Associate’s degree in related field.
* Two to three years of related experience.

**COMPETENCIES**

**Knowledge of:**

* Principles of electronics and familiarity with scientific discipline in department to be served
* The methods and materials used in repair and maintenance of scientific and electronic instruments and devices
* Principles of mechanics
* Microsoft Office and related software applications

**Skill in:**

* Planning and organization
* Troubleshooting
* Developing and maintaining effective and appropriate working relationships
* Critical thinking, problem solving and analysis

**Ability to:**

* Read and interpret complex diagrams and specifications
* Modify moderately complex electronic and scientific instrument devices
* Communicate effectively through both oral and written means
* Respect diversity and work collaboratively with individuals of diverse cultural, social and educational backgrounds
* Maintain the confidentiality of information and professional boundaries
* Work independently to analyze available information, draw conclusions and understandings, and present such conclusions effectively to senior management