

# MORGAN STATE UNIVERSITY

## JOB SPECIFICATION



### **LABORATORY RESEARCH TECHNICIAN**

Class Code: N1061  
Pay Range: 10

FLSA Code: N/E (Non-Exempt)

### **JOB SUMMARY**

Under direct supervision, performs routine bioanalytical, chemical, or physical tests according to standardized processes, and performs other laboratory activities and maintenance.

### **PRIMARY DUTIES**

1. Performs routine biological procedures such as gel electrophoresis, blotting, chromatography, and DNA extractions; chemical procedures such as simple synthesis, product isolation, or biophysical procedures such as optical and kinetics measurements.
2. Prepares chemical solutions, media, reagents, stains, and buffers.
3. Assists in conducting routine assays such as enzyme-linked immunosorbent assays (ELISA) and complement fixations.
4. Assists with sterile procedures
5. Performs clinical processes such as cell or tissue cultures.
6. Collects, prepares, and processes specimens.
7. Develops and prints film detailing biochemical or other analyses.
8. Assists in conducting research on current scientific literature using computerized applications.
9. Collects, prepares, and processes specimens.

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**Laboratory Research Technician**  
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10. Performs wipe tests, general housekeeping of laboratory, and operation of laboratory equipment such as centrifuges, meters, microscopes, incubators, autoclaves, spectrometers, and gas and liquid chromatographs.
11. Maintains chemicals and equipment inventory.

**Note:** The intent of this list of primary duties is to provide a representative summary of the major duties and responsibilities of this job. Incumbents perform other related duties assigned. Specific duties and responsibilities may vary based upon departmental needs.

**MINIMUM QUALIFICATIONS:**

**EDUCATION:** Bachelors degree in a biological or chemical science.

**REQUIRED KNOWLEDGE/ SKILLS/ABILITIES:**

General knowledge of the principles and practices of natural and/or chemical sciences; of the safe and proper handling and disposal of applicable specimens, materials and equipment. Ability to perform laboratory procedures using applicable equipment and techniques; to communicate effectively both orally and in writing; to use computers and related software applications; to lift, transport and deliver materials and stock laboratory supplies and goods; to wear and work in personal and protective equipment.

**OTHER:**

Except for qualifications established by law, additional related experience and formal education in which one has gained the knowledge, skills, and abilities required for full performance of work of the job class may be substituted for the education or experience requirement on a year-for-year basis with 30 college credits being equivalent to one year experience.

**CONDITIONS OF EMPLOYMENT:**

Candidates selected for employment may be subject to medical inquiries and/or medical examinations to determine ability to perform the job. Employees in this job class may be required to work with biohazardous or radio-labeled materials and to successfully complete applicable safety training.