

SENIOR LABORATORY TECHNICIAN *

Function of Job:

Under general supervision of faculty member, research staff member or other designated supervisor, to perform with a high degree of skill, complex laboratory technical operations requiring a knowledge of scientific methods and practice **or** the technology of the department to be served; and to coordinate the work of laboratory technicians and/or work study students as assigned.

Characteristic Duties and Responsibilities

1. Carry out complex laboratory technical operations requiring a knowledge of scientific methods **or** the technology of the department to be served, including but not limited to:
 - a. Conduct of standardized testing/analysis procedures and/or assays, using approved methods.
 - b. Analysis, interpretation and reporting of results.
 - c. Preparation of cultures of specimens and/or samples of organic substances.
 - d. Recovery and identification of cells and/or viruses.
 - e. Performance of chemical testing.
 - f. Preparation of solutions, reagents and media.
 - g. Operation of specialized equipment involved in testing and/or analysis.
2. Troubleshoot laboratory problems and institute remedial measures as appropriate.
3. Supervise, train and coordinate the work of technicians and/or work study students as assigned, and maintain supervisory surveillance of technical laboratory procedures and results.
4. Be responsible for supervisory maintenance of equipment and supply inventories, and for recommending re-stocking of depleted supplies and repair or replacement of equipment.
5. Supervise maintenance of animal colonies.
6. Assist or advise in the development of assay or other scientific laboratory procedures/methods.
7. Maintain appropriate files and records on assigned laboratory work projects, and prepare periodic reports as required.
8. Design, construct, adjust, modify, and/or repair specialized laboratory equipment, apparatus, and related devices relative to work projects.
9. May collect samples in the field for testing.
10. Be responsible for conducting tours of laboratory facilities as required.
11. Conduct occasional classes and demonstrations for students in appropriate lab techniques.
12. Perform related duties as assigned.

Minimum Acceptable Qualifications:

1. Associate degree in scientific field or equivalent **or** two years of college study with courses in science.
2. Three years of work experience in the scientific techniques appropriate to the field of science and laboratory work required by the position.
3. Specialized knowledge of scientific procedures and methods as required by department to be served.
4. Manual dexterity.

System Approval

8/3/83

Effective Date

This document is a generic classification specification of the University System of New Hampshire. Its purpose is to describe the representative responsibilities and general level of complexity, and it is not a substitute for the specific job description of the individual position.

* Revised - Original approved 4/19/77.