

SENIOR ENGINEERING TECHNICIAN*
Or
SENIOR RESEARCH TECHNICIAN*

Function of Job:

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

Characteristic Duties and Responsibilities:

1. Carry out complex sequences of technical operations requiring a knowledge of engineering methods **or** the technology of the department to be served.
2. Perform with skill and versatility, the construction, assembly, installation, adjustment, modification, and repair of complex specialized or prototype mechanical and/or electrical laboratory equipment, apparatus, and related devices.
3. Test, calibrate, and/or repair complex scientific or engineering components, equipment and/or instruments.
4. Collect and prepare specimens and samples for testing.
5. Perform complex standard and non-standard mechanical and material tests according to prescribed specifications and guidelines.
6. Advise professional staff and students on component and equipment requirements and capabilities; selection and use of facilities and supplies.
7. Perform a variety of difficult computations and analysis of technical measurement data for submission to higher level engineering/research personnel.
8. Supervise, train, and coordinate the work of work-study students or other employees in projects as assigned.
9. Oversee the maintenance of field test stations and resolve field test operational and logistical support problems as required.
10. Participate in data collection and reduction activities.
11. Perform complex mechanical layout from diagrams or oral instructions.
12. Set up and operate surveying equipment; hand and power tools; precision engineering instruments.
13. Maintain appropriate files and records.
14. Travel to test or project sites as required.
15. Perform related duties as assigned.

Minimum Acceptable Qualifications:

1. Bachelor's Degree in an engineering or scientific field related to the technical work performed and two years of work experience utilizing appropriate research or engineering techniques **or** Associate's Degree in an engineering or scientific field related to the technical work performed and at least four years of work experience utilizing appropriate research or engineering techniques **or** high school graduation including courses in physics, mathematics or other technical fields and

- at least six years of technical experience in Engineering or related technology appropriate to the department to be served.
2. Working knowledge of experimental, analytical and field techniques.
 3. Working knowledge of data processing machines and techniques.
 4. Specialized knowledge of scientific or engineering procedures and methods as required by the department to be served.
 5. Sufficient manual dexterity to perform duties of position.
 6. Supervisory ability.

Additional Desirable Qualifications:

1. Experience in programming for EDP equipment.
2. Skill in crafts such as woodworking, welding, pipefitting, and/or electrical work.

1/23/86

System Approval

1/23/86

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 11/16/76 as Senior Engineering/Research Technician and revised 9/26/79 as Senior Engineering Technician or Senior Research Technician.

