

SENIOR PROJECT MACHINIST II

Function of Job:

Under limited direction of designated research director, to be responsible for the management of a large centralized machine shop facility serving several research centers and/or laboratories to provide design, development and fabrication of precision instruments for research applications as assigned.

Characteristic Duties and Responsibilities:

1. Be responsible for the management of large centralized research machine shop facility.
2. Work independently in the design, development, and fabrication of instruments for specific research applications in earth, oceans, space, or a otherwise assigned.
3. Hire, evaluate, schedule work, and supervise personnel as assigned.
4. Be familiar with and utilize specialized types of materials in fabrication of instruments for the specialized environments in earth, oceans, and space, or for other purposes as assigned.
5. Consult with faculty members, staff, and students concerning development of special instruments or devices.
6. Oversee use of certain facilities by students and faculty to assure proper usage of equipment according to prescribed safety standards.
7. Order supplies and materials for shop, and purchase new machinery as required.
8. Set up and maintain safety program and machinery maintenance program.
9. Instruct graduate students in the correct machine shop procedures and techniques.
10. Perform related duties as assigned.

Minimum Acceptable Qualifications:

1. Graduation from two-year technical school or equivalent apprenticeship.
2. Seven years' experience tool and die maker and/or instrument maker with five years relevant experience in precision machine work for satellite instrumentation.
3. Capability to perform extremely high tolerance work related to scientific experiments on rockets, satellites, underwater payloads and/or other research as assigned.
4. Proficiency in heli-arc welding.
5. Ability to read and interpret blueprints, and to work from verbal/conceptual descriptions.
6. Knowledge of and familiarization with the use of specialized materials for research instrumentation used in earth, oceans, space, or other applications as assigned.
7. Supervisory ability.

Additional Desirable Qualifications:

1. Supervisory experience.
2. Experience as tool and die maker or instrument maker beyond minimum required.
3. Technical schooling beyond minimum required.

7/3/86

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.