

## SENIOR PROJECT MACHINIST I \*

### **Function of Job:**

Under limited supervision of designated staff and/or faculty member, to work independently in the design development, and fabrication of models and instruments and/or to be responsible for the management of an Engineering/Research Machine Shop.

### **Characteristic Duties and Responsibilities:**

1. Working independently, design, develop, and fabricate from original designs, prints, sketches, or verbal/conceptual descriptions, models and instruments as specified or as required to special research applications and/or to manage and supervise the operation of an Engineering/Research Machine Shop.
2. Diagnose, repair, or rebuild equipment and instruments as required.
3. Consult with faculty members, staff, and students concerning development of special instruments or devices, and instruct in use of tools and machines.
4. Utilize all types of materials such as metal, plastics, wood, sheetmetal, etc., and skill in heli-arc welding, in fabrication of models and instruments.
5. Oversee use of facilities by students and faculty to assure proper usage of equipment according to prescribed safety standards.
6. Order supplies and materials for shop, and purchase new machinery as required.
7. Set up and maintain safety program and machinery maintenance program.
8. Hire, schedule work, and supervise personnel as assigned.
9. Perform related duties as assigned.

### **Minimum Acceptable Qualifications:**

1. Graduation from two-year technical school or equivalent apprenticeship.
2. Five years experience as tool and die maker and/or instrument maker.
3. Capacity to perform extremely high tolerance work as related to satellite experiments.
4. Proficiency in heli-arc welding.
5. Ability to read and interpret blueprints, and to work from verbal/conceptual descriptions.
6. 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.

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System Approval

7/2/86

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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 2/16/79 and revised 1/24/80 as "Senior Project Machinist."