

## ELECTRONICS ENGINEER III

### **Function of Job:**

Under direction from faculty or staff member or other designated supervisor, to be responsible for or supervise the planning, development, evaluation and testing of new and/or existing electronic circuitry, instrumentation and/or hardware systems of advanced design for use in research or other specialized fields.

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

1. Provide development of design of new or improved instrumentation and/or circuitry.
2. Be responsible for development, testing and evaluation of specialized electronic equipment, instrumentation and/or hardware systems.
3. Supervise and instruct technicians and/or engineers, as assigned, in the fabrication and testing of electronic equipment and/or hardware systems.
4. Provide consultation and advice to supervisor on electronic engineering projects.
5. Monitor tests/experiments in progress and provide support and/or consultation as necessary.
6. Advise technicians in charge of ordering inventory and equipment on present and future needs.
7. Plan and supervise maintenance and repair of electronic circuits and equipment, including trouble shooting and diagnosis of problems.
8. Provide for microcomputer and computer systems evaluation, design and programming, and interface with appropriate computer personnel as necessary.
9. Conduct seminars on electronic engineering subjects for undergraduate and/or graduate students.
10. Interpret applicable codes and standards.
11. Perform related duties as directed.

### **Minimum Acceptable Qualifications**

1. Bachelor's degree in Electrical Engineering.
2. Four years experience in professional engineering work.
3. Expertise in the design of specialized electronic circuitry and equipment.
4. Knowledge of computer programming.
5. Supervisory ability.

### **Additional Desirable Qualifications:**

1. Advanced degree in Engineering.

8/20/82

System Approval

8/20/82

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.**