UNIVERSITY OF RHODE ISLAND

Position Description

TITLE: Computer Engineer

DIVISION: Academic Affairs (College of Engineering)

REPORTS TO: Chair, Electrical Engineering Department

GRADE: 13

SUPERVISES: Professional, technical, and student assistants

BASIC FUNCTION:

Responsible for the operation of the Electrical Engineering Department's computer facility. Assist faculty and students in carrying out computer-based research projects. Design and implement software and hardware to support this basic function.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Responsible for the twenty-four hour operation of the department's computer facility, which includes a unix-based file servers coupled to an extensive network of engineering workstations and other peripheral devices.

Maintain and improve or modify the present hardware/software system to provide for the changing needs of faculty and students. Coordinate both in-house and outside contractors' support.

Provide instruction in C, Unix, and networking protocols, as well as Fortran, Pascal and SUN specific requirements.

Maintain a working inventory of both capital and operating equipment and supplies. Provide for the ordering and replacement of necessary components.

OTHER DUTIES AND RESPONSIBILITIES:

Supervise a staff that will provide for the needs of other students and faculty.

Interact with other computer support personnel in college-wide and university-wide positions.
LICENSES, TOOLS AND EQUIPMENT:

Personal computers, printers, and word processing, data base management, and spreadsheet software. Fortran, Pascal and SUN specific requirements.

ENVIRONMENTAL CONDITIONS:

This position is not substantially exposed to adverse environmental conditions.

QUALIFICATIONS:

Bachelor's and master's degrees in electrical or computer engineering required, as is a background in mathematics, computer software and hardware. Additional graduate work in these areas beyond the master's level is preferred. Knowledge of UNIX and engineering networking protocols, such as NFS, is highly desirable. Must have a minimum of two years of experience in either an academic or similar industrial setting. Must be able to communicate effectively, both verbally and in writing, and possess strong interpersonal skills.

ALL REQUIREMENTS ARE SUBJECT TO POSSIBLE MODIFICATION TO REASONABLY ACCOMMODATE INDIVIDUALS WITH DISABILITIES.