Posting Details

Posting Number:
6001326

Job Title:
Technician I (Biomedical Engineering)

Position Type:
Staff

Union:
PTAA - Professional/Tech/Admin Assoc

Status:
Full-time
Permanent

Department:
Elec, Computer & Bio Engr

Duties and Responsibilities:

BASIC FUNCTION:

Work closely with Biomedical Engineering faculty, students, and technicians in the layout, design, and construction of experimental apparatuses.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Provide advice and assistance to faculty and students involved in ongoing research, interpreting electrical diagrams and circuitry attendant to the research requirements.

Requisition electrical components to assure that material ordered is compatible for voltage and phase available.

Construct experimental apparatuses and ensure that the installation and operation of the equipment is safe and has proper electrical protection.

Conduct troubleshooting/problem solving relevant to the particular apparatus.

OTHER DUTIES AND RESPONSIBILITIES:

Perform record keeping functions to assist supervisor.

Perform additional duties as required.

LICENSES, TOOLS AND EQUIPMENT:

Personal computers, printers; word processing, database management software. AutoCad, SolidWorks preferred.

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

Required Qualifications:
REQUIRED QUALIFICATIONS:

1. High school diploma or GED;
2. Minimum of three years of experience in the electrical construction field;
3. Demonstrated training in electrical circuitry and installation;
4. Demonstrated knowledge of electrical loads, terminology of material and equipment, and electrical safety codes;
5. Demonstrated experience with microprocessor-based designs;
6. Demonstrated proficiency in circuit design and layout applications.
7. Demonstrated ability to work with diverse groups.

Position Number:
107109

Preferred Qualifications:

PREFERRED QUALIFICATIONS:

1. Associate's degree or bachelor's degree in Biomedical Engineering, Electrical Engineering, or Computer Engineering.
2. Demonstrated experience with hands-on projects related to a variety of biomedical engineering applications, including electronic and mechanical devices;
3. Demonstrated experience with C/C++ programming;
4. Demonstrated knowledge of machine drawings generated by software (e.g., AutoCAD, SolidWorks);
5. Demonstrated basic machining skills;
6. Demonstrated knowledge of data acquisition for human and animal experiments;
7. Demonstrated knowledge of the Food and Drug Administration's medical device regulations.

Environmental Conditions:

ENVIRONMENTAL CONDITIONS:

The incumbent is not substantially exposed to adverse environmental conditions.

Posting Date:
01-06-2014

Closing Date:
02-04-2014

(This date includes grace period if applicable.)

Special Instructions to Applicants:

Please attach (PDF) the following to your electronic application: 1) A cover letter which includes a statement explaining your strengths and motivation for this position, and 2) A resume which includes the names/contact information for 3 professional references.
Pay Rate:
$36,475 - $47,219
Pay Grade Level:
7
Physical Demands

Campus Location:
Kingston
Building(s):

Work Hours: