



# National Electrostatics Corp.

7540 Graber Road, P.O. Box 620310  
Middleton, WI 53562-0310  
U.S.A.

Tel: (608) 831-7600  
Fax: (608) 831-9591  
E-mail: [nec@pelletron.com](mailto:nec@pelletron.com)  
Web: <http://www.pelletron.com>

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As the world leader in the manufacturing of electrostatic ion beam accelerator systems, National Electrostatics Corp. or NEC, is always looking for the best, quality candidates to join our family. Being a part of the NEC family offers many rewards including being a part of an environment where we want to see you grow and succeed. We are an employee-owned company that had been in business for over 50 years.

We are looking for a detail-oriented Linux enthusiast to join our Control Systems team. This role requires a generalist skill set including hardware troubleshooting, software development, and customer support/training. As a Control Systems Technician/Engineer, you will be responsible for the orchestration of aspects related to the controlling, monitoring, and interconnecting of equipment for the operation of electrostatic ion beam accelerator systems.

This is a full-time position with excellent benefits. These benefits include paid time off (holiday, vacation, and sick leave), long term disability, life insurance, health insurance, and 401K match options and Employee-owned stock plans.

**Job Title:** Control Systems Technician/Engineer  
Hours: 7:30 a.m. – 4:00 p.m. (flexible hours)

## **Essential Duties**

1. Set up and configure control system computers and equipment. (40%)
  - Install Linux operating system
  - Administer/configure Linux (e.g. networking, firewall, users)
  - Generate new database entries and configuration files for unique systems
  - Modify/upgrade existing databases and configuration files
2. Commission and troubleshoot control systems. (20%)
  - Test I/O system functionality
  - Diagnose wiring errors and other defects
  - Verify software configuration, including safety interlocks
3. Provide customer training and support (email/phone) (20%)
4. Write small programs/scripts to augment the existing control system for customer needs (10%)
5. Perform on-site installation, testing, and training at locations around the world (5%)
6. Assist in development of electronics that will interface with our products (5%)

## **Qualifications**

1. Bachelor's degree in related field (computer science, electrical engineering, etc.) preferred
2. Proficiency in Linux operating system and administration. (RHEL, CentOS, etc.)
3. Proficiency in programming. (C, C++, TCL)
4. Experience in analog and digital circuitry
5. High attention to detail
6. Hands-on mentality
7. Available to travel internationally
8. Above average ability to read and write in English

## **Physical Requirements:**

1. Manual dexterity
2. Ability to lift 40 pounds, bend, crouch, squat, twist and reach overhead.
3. Eyesight vision of, or corrected to, 20/20.

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*NEC is an Equal Opportunity Employer and does not discriminate against any employee or applicant for employment because of race, color, sex, age, national origin, religion, sexual orientation, gender identity and/or expression, status as a veteran, and basis of disability or any other federal, state or local protected class.*