



Equipment Technician V

September 2021

Cornell University embraces diversity and seeks candidates who will contribute to a climate that supports students, faculty and staff of all identities and backgrounds. If you don't meet 100% of job qualifications, but see yourself contributing, please submit an application. We strongly encourage individuals from underrepresented and/or marginalized identities to apply. We're a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

The Cornell Laboratory for Accelerator-based ScienceS and Education (CLASSE) is a world-class facility studying beam and accelerators, photon science, particle physics and the early universe, serving students, the public and scientists from Cornell and around the world.

The Equipment Technician V serves the scientific mission by providing technical support to Research support specialists in beamline distribution, equipment controls, safety systems, and personal protective equipment. At times the equipment tech V will also directly support academic research personnel (students and scientists) in experimental builds, providing insight and best practice recommendations. Examples of such instruments include 150-MeV linear accelerators, closed-loop liquid-helium refrigeration units, synchronous particle injection systems, high-heat-load x-ray beamlines, and high-speed, large-area x-ray detectors.

Primary responsibilities of this position are to provide comprehensive technical support of research and experimental electrical components. Responsibilities include, but are not limited to:

- Fabricate, install, maintain, test, calibrate, and commission instrumentation involving complex electrical distribution systems (high voltage, current, and frequency) in support of operations of the LINAC, Synchrotron, Cornell Electron Storage Ring (CESR), Cornell High Energy Synchrotron Source (CHESS), Cornell Brookhaven E (ERL-Energy Recovery Linac) Test Accelerator (CBETA), and Center for Bright Beams (CBB).
- Contribute to the evaluation and execution of all CLASSE-wide research-related electronics activities, promoting continued improvement of CLASSE's operational capabilities and efficiency.
- Support research support specialists in design of new electronic instrumentation and equipment.
- Support research support specialists maintaining CLASSE electrical documentation. Including wiring diagrams and maintenance databases.
- Support 24-hour 7-day operation through scheduled and emergency work.
- Support research support specialists in escort and oversight of Cornell trades.

A successful candidate will have Trade/Vocational/Technical School and 4 to 6 years relevant experience or equivalent combination. Four to five years of experience in the described skill areas (physics, electrical engineering, electronics, etc.) or demonstrable equivalent expertise in relevant electronics instrumentation field is desired. Candidate must possess well-developed task organization, leadership, and capabilities of executing to completion. Strong interpersonal skills are needed to effectively interact with staff, students and faculty of all genders, races, ethnicities and backgrounds in conducting daily workplace duties. Requires ability to multi-task and operate under varied working duties, ability to lift 50 pounds, and strong troubleshooting skills. Candidate must be able to work independently with minimal supervision, with an ability to respond quickly to off-hour problems and emergencies, demonstrate excellent writing and organization skills, and demonstrated proficiency in working on research or scientific instrumentation using proper maintenance, installation, and diagnostic and repair techniques and tools.

Preferred qualifications: Bachelor's degree; knowledge of Cornell policies and procedures, experience with Cornell grants & contracts processes, Cornell on-line systems, Excel, and Word preferred; aptitude and willingness to learn additional operating systems and software packages.

Visa sponsorship is not provided for this position. Please apply online at <https://cornell.wd1.myworkdayjobs.com/CornellCareerPage> (posting #WDR-00025264).

Cornell provides great benefits that include comprehensive health care options, generous retirement contributions, educational benefits (Employee Degree, Tuition Aid, Cornell Children's Tuition Assistance Programs), access to wellness programs, and employee discounts with local and national retail brands. Our leave provisions include three weeks of vacation and 13 holidays, including winter break from December 25th through January 1st.

Cornell has been nationally recognized as an award-winning workplace for our health, wellbeing, sustainability, and diversity initiatives. For more information, follow the link: [Benefits at Cornell](#).