

Cell Design Engineer – Mid-Level

Company

PolyJoule is building the next-generation of grid and grid-edge energy storage systems, leveraging a proprietary, safe, green chemistry that is built to last for decades. Spun out of MIT's Chemistry and Engineering departments, we are a cohort of brilliant minds who drive to make a core impact in the transition to a net-negative-carbon, renewable energy economy.

Job Description

PolyJoule has available a full-time position in the field of Electrochemistry and Cell Design Engineering. Candidates must have a degree in chemistry, chemical engineering, electrochemistry/material science or related field, with significant hands-on experience in testing and building electrochemical cells and batteries. Candidates should be able to work both independently and as part of the larger team, with a focus on experimental design, process optimization, and high-through analysis.

Responsibilities will include:

- Cell design and optimization of electrochemical processes, including material analyses of anode, cathode, and electrolyte formulations
- Cell testing utilizing a variety of off-the-shelf and custom hardware/software systems for energy storage analysis
- Close collaboration with R&D chemists to optimize chemical engineering techniques
- Electrode formulation optimization and testing of new materials
- Weekly reports in the form of informal and formal reporting

Additional responsibilities may include:

- Working with vendors and suppliers on selecting, sourcing, and evaluating raw materials.
- Other tasks and projects to support the team.

Experience and Qualifications

- B.S. or M.S. Degree in Chemistry, Electrochemistry, Engineering, or related field
- Full understanding of electrochemical transport phenomena and test protocols used in battery testing
- Exceptional organization, documentation, communication and presentation skills.
- Ability to analyze, process, and draw conclusions from large datasets and databases
- Ability to work independently in a fast-paced environment
- Ability to integrate solutions into a product development cycle
- 3-5 years of wet-lab experience
- Familiarity with roll-to-roll processing, and other high-volume manufacturing methods
- Working knowledge of mechanical systems
- Strong foundation in electrical engineering components
- Working knowledge of spectroscopy, and other quality control techniques a plus

The position is based in Billerica, MA, and is a full-time, in-person position.

Interested candidates should send a cover letter and resume to careers@polyjoule.com

