

1.0 About ESS, our team, and what we are looking for:

Energy Storage Systems (ESS Inc) is a fast-growing, venture-backed, clean technology start-up, located in Wilsonville, OR. ESS has developed an extremely cost-effective energy management system that combines an environmentally safe, abundant and non-toxic iron electrolyte with our patented flow cell design. Our advanced flow battery technology combines high performance with low cost, renewable integration designed for commercial, industrial, and utility applications.

Our team boasts decades of experience in distributed power generation and energy storage technologies. We are team building a disruptive, cutting edge technology. We are looking for motivated, hard-working, like-minded people to join our team of individuals who have a passion for sustainability, the environment, and who thrive in a fast-paced entrepreneurial setting. This position involves close interaction with numerous engineering disciplines. Applicant must be comfortable working in a team environment that is fast paced and dynamic. A strong commitment to quality and continuous improvement is required.

2.0 Primary Responsibilities

- Build and test chemical reactors of various sizes and capacities. Develop procedures and standard test protocols for manufacturing.
- Able to troubleshoot, collect and analyze data and present test results to the engineering team.
- Construct and perform reliability tests on various key system components.
- Conduct innovative research projects aiming to optimize performance and reliability.
- Conduct material endurance and compatibility tests to aid system material selections.
- Run design validation tests and perform analyses afterwards to guide design goals for improved battery performance and reliability.
- Develop and optimize chemical processes for flow batteries and reactors of different scales.

3.0 Requirements & Qualifications

- Bachelor's Degree or higher in ChE, Chemistry, Material Science or Mechanical Engineering.
- Electrochemistry skills and knowledge are preferred - wet chemistries and reactions, interactions and material behaviors.
- Good interpersonal and communication skills to work effectively with a small, dynamic team responsible for product development.
- Legally authorized, U.S. Citizenship or permanent residency. – **See Note:**
- Ability to lift 50 lbs. unassisted.
- Ability to follow job required Standards and Safety Protocols, per pre-defined processes.
- Must be able to wear Personal Protection Equipment according to OSHA rules and regulations.
- Legally authorized, U.S. Citizenship or permanent residency. – **See Note:**
- Available on or before December 1, 2019

Note: As an equal opportunity employer, we are open to considering every qualified candidate who is eligible and legally authorized to work in the United States on a full or part-time basis, and who does not require a visa sponsorship or who is of H1B1 status.

4.0 What ESS Offers for This Position

- Pay dependent on experience: \$25/hr-\$30/hr