

**Position:** Test Engineer

**Location:** Danbury, CT

We are searching for a highly motivated, forward-thinking energy technology enthusiast to join the Technology group where you will be responsible for cell hardware materials selection & evaluation and performing testing & analysis of our fuel cell stacks and other systems as needed.

**Responsibilities:**

- Work with internal experts to identify potential cell hardware materials candidates and perform test activities for evaluating materials.
- Perform cross section microscopy analysis and develop special tests as needed to understand mechanisms and interpret data.
- Design and execute test plans on fuel cell single cells and stacks as required.
- Lead design and construction of specialized testing equipment. Specify instrumentation and equipment for tests and test fixtures. Independently plan test equipment maintenance and repair activities.
- Gather and validate test data, following quality control and documented procedures. Participate in the updating and accuracy of department documentation.
- Review, analyze and interpret test data and results. Prepare reports for formal review and make recommendations based on results.
- Formally present data findings to key stakeholders in meetings and in stand up presentation environments.
- Effectively and timely troubleshoot abnormalities in laboratory equipment to ensure test results are accurate.
- Participate in the On Call rotation for laboratory testing oversight. Respond to alarms and report in to work for outages at the facility as required.

**Qualifications:**

**Education:** Bachelors in Chemical Engineering or Materials Science/Engineering required.

**Required Experience:**

- 3-7 years' work experience in a laboratory environment, planning and executing tests on chemical process and systems required. Fuel cell or batteries experience preferred. Graduate degree in related fields may be equivalent to some of the experience requirement.
- Experience reporting on findings and interpreting result in a formal manner.
- Strong understanding of chemical engineering processes, chemical process control, chemical reaction, thermodynamics. Knowledge and experience of materials characterization, corrosion, electrochemistry or fuel cell/battery a plus.
- Experience with chemical process simulation software (ASPEN or ChemCad) is highly desired.
- Proficient in the use of Microsoft Office Suite and data interpretation and analysis software.

- Excellent oral and written communication skills to work effectively and openly with others, both internally and externally
- Good presentation skills to effectively communicate ideas and scientific findings
- Team player who works willingly with others
- Strong planning and organizing skills to ensure the department runs smoothly, resources are properly planned and deadlines and budgets are met
- Experience with chemical process equipment (heaters, heat exchangers, valves, flow meters) and gas chromatography desired.
- Experience with PLC or PC based automated systems is desired.

**Working Environment/Physical Requirements:**

- This position is located indoors and requires the ability to move between separated rooms within the same building, working in various chemical/laboratory test stations in and around chemicals.
- Laboratory work includes standing at equipment and performing tests in the test facility wearing designated personal protective equipment (clothing, gloves, safety shoes, safety glasses, etc.)
- Visual acuity to run experiments and determine test results and outcomes
- Desk work using a computer for communication and recording/interpreting results
- Some use of manual tools for performing maintenance work on laboratory test equipment

**How to Apply:**

Submit a copy of your resume, along with the voluntary self-identification forms, to **jobs@fce.com**. Please reference the Position (Job Title) in the subject header of your email.

Please note only those authorized to work in the United States will be considered.

*No agency submissions, please. Resumes submitted to any FuelCell Energy employee without a current, signed and valid contract in place with the FuelCell Energy Recruiting team for this position will become the property of FuelCell Energy and no agency fees will be paid.*

**Equal Opportunity Employer - Vet/Disability**

We offer a competitive compensation package as well as comprehensive benefits including medical, dental, vision, company-paid life/disability insurance, 401(k) plan, employee stock purchase plan and generous paid leave.

Employment with FCE is subject to pre-employment drug-screen and background investigation.

FuelCell Energy, Inc. is committed to ensuring that its application process provides an equal employment opportunity to all U.S. job seekers, including individuals with disabilities. If you believe you need a reasonable accommodation in order to search for a job opening or to submit an application, please send an email with your resume to **jobs@fce.com** indicating the specifics of the assistance needed.

You may also use **203-205-2070**, a phone line designed **exclusively** to assist disabled job seekers whose disability prevents them from being able to apply online. Only messages left for this purpose will be acknowledged. A response to your request may take up to two business days.