

**Position:** Associate Process Engineer

**Location:** Danbury, CT

We are currently seeking a highly motivated Process Engineer to join the multi-disciplinary Advanced Technology team responsible for designing advanced fuel cell-based systems for both power generation and carbon capture applications. The Process Engineer will be responsible for all aspects of process design, with a focus on new process development and simulation. This position requires flexibility to work on multiple projects, covering a range of systems and technologies, in various stages of the design or validation process.

**Responsibilities:**

- Develops Heat and Material Balances (H&MBs) using process simulation software tools.
- Creates and/or updates Process Flow Diagrams (PFDs) and Piping and Instrumentation Diagrams (P&IDs).
- Specifies process equipment (including water treatment systems, pumps, heat exchangers, gas blowers, and reactors) in compliance with international codes and standards, project specifications, and general specifications prevalent in gas applications.
- Works with suppliers to select and qualify equipment/designs for fuel cell balance-of-plant systems.
- Designs and analyzes piping systems in accordance with process design requirements and industry standards.
- Specifies and selects process instrumentation, including valves and transmitters/sensors.
- Ensures that systems are developed in accordance with best safety practices. This includes participating in Hazard and Operability Analysis (HAZOP) reviews.
- Supports system fabrication, installation, and commissioning activities for both in-house and fielded systems.
- Develops test plans for bench-scale system tests.
- Operates test facilities in accordance with test plans, analyses results, and generates test reports.
- Prepares presentations and reports to communicate designs to key internal stakeholders.
- Performs other duties as required.
- Domestic and occasional International travel required: 15%

**Qualifications:**

**Education:** BS/MS in Chemical Engineering

**Experience:** 0-3 years of relevant industrial experience

**Ideal candidate will have:**

- Strong understanding of chemical engineering processes, chemical process control, chemical reactions, and thermodynamics. Knowledge and experience of electrochemistry or fuel cells/batteries is a plus.
- Familiarity with the following process engineering disciplines: process simulations, equipment sizing and costing, PFDs, P&IDs, process controls, safety and risk analysis.
- Experience with chemical process simulation software (e.g. Aspen, CHEMCAD) is desired.
- Experience developing and operating pilot, bench, or lab-scale testing facilities is desired.
- Experience with troubleshooting mechanical and electrical components highly desired.

- Experience in an R&D environment is a plus.
- Proficient in the use of Microsoft Office Suite.
- 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 and keeps a positive, goal-focused outlook when tackling challenging, time-sensitive engineering problems.
- Flexible and adaptable to rapidly shift gears into multi-disciplinary roles based on current project requirements.
- Ability to obtain/maintain a valid passport and travel internationally without restriction is required.

**Working Environment/Physical Requirements:**

- Desk work using a computer.
- This position is located indoors and requires the ability to move between separated rooms within the same building.
- Occasional travel via car and/or commercial airlines.
- Occasional work outdoors in a power plant environment during commissioning activities.
- May be required to wear personal protective equipment as designated when required to perform occasional field work or in-house testing.

**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.*

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**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.