

Process Engineer

Location: Denver, CO



The Process Engineer is responsible for translating process improvement projects into commercial operations by interfacing with plant operations, R&D, and engineering. The job involves creating process flow diagrams, process material and energy balances, P&ID's, and determining process capital and operating costs.

Job Description

- Responsible for commercial process design. Integrates safety into process design and work practices.
- Creates and reviews block flow diagrams, process flow diagrams and process and instrumentation diagrams.
- Completes engineering calculations, mass and energy balances, and process equipment design.
- Uses Aspen modeling to accomplish many of the tasks required.
- Converts technical information from laboratory and pilot research information to commercial process systems.
- Creates and reviews equipment and materials specification data sheets.
- Creates and reviews user requirements for equipment and processes.
- Participates in process qualification, startup and troubleshooting to achieve plant performance targets.
- Interpersonal effectiveness and teamwork: Interacts well in a team environment (clients, peers, vendors, contractors), Good communication at all levels in the organization. Open and flexible to changes in priorities and timelines, Good listening skills.
- Work with peers and management to support engineering scale-up efforts. Identify outside technology vendors, evaluate equipment performance, conduct process trials, and make recommendations to management concerning technical feasibility.
- Contribute to focused and productive engineering as a member of an interdisciplinary development team including Engineers, Chemists, Technicians, Microbiologists, and Biochemists.
- Independently applies a wide variety of scientific principles and concepts to potential inventions, products and problems. Maintains broad knowledge of state-of-the-art principles and theories. Serves as in-house and outside representative.

Travel is required for portions of job duties

Gevo offers a competitive compensation package. If interested, please submit a letter of interest, resume and salary requirements to careers@gevo.com or fax to 303-379-6630. Please no phone calls or agency submissions.

EOE REQUIREMENTS

- Strong capital cost and operating cost knowledge for renewable resource conversion via fermentation to products.
- Demonstrates flexibility in applying scientific and engineering principles to technologies related to both fermentation and hydrocarbon processes
- Strong knowledge of unit operation functionality including the strengths and weaknesses of various unit operations and their limitations.
- Experience in developing mass and energy balances using an array of analytical techniques and calculation methods.
- Ability to trouble-shoot process unit operations based on experience and broad overall background in chemical and engineering sciences (e.g. biology, chemistry, analytical chemistry, process engineering).
- Preparing and delivering information in a concise, professionally written format
- Preparing and presenting information to staff in a formal & informal setting
- Working in teams, task forces, etc.
- Directing/coordination work among teams, groups, etc.
- Developing and/or creating new or more effective ideas, approaches, etc.
- Developing and/or creating methods, procedures, training, etc.
- Developing and formulating short-range plans/decisions
- Analyzing and developing solutions to problems
- Providing some technical support
- Managing various projects, work, technical support, etc.
- Selecting, developing, motivating, and managing subordinates
- Providing outstanding customer service
- Developing and maintaining positive customer rapport
- Computer skills
- Organizational skills
- Excellent interpersonal and communication skills
- Ability to lift 15 – 25 pounds