

Process Development Engineer

Draths Corporation, located in Lansing MI, is building a next generation chemical company focused on manufacturing biobased materials for use in everyday products via environmentally friendly and economical processes. The technology platform covers the entire benzene value chain, enabling it to manufacture products that are identical to intermediates used to make nylons, plastics, and a host of other materials. Draths is unique in this capability and is different from companies that are manufacturing biofuels or targeting other parts of the carbon-based chemical value chain (e.g., C-2, C-3 materials). Draths is looking for individuals who are committed to changing the way chemicals are made and who are willing to put forth the effort necessary to enable a growing biotech startup to achieve its technical milestones.

The Process Development Engineer will work closely with biologists and chemists to integrate current process technologies, suggest and implement process improvements, and assist in the scale-up to successful commercial manufacturing. The Process Development Engineer will also assist and collaborate with external service providers retained by the company to work on the design, construction, and initial operation of all pilot and commercial manufacturing facilities. Key functions in this primarily technical role include process design, implementation and optimization of chemical and biochemical unit operations such as reaction, solid/liquid separation, liquid/liquid extraction, distillation, crystallization and others as required. The successful candidate for this role will be fully engaged in the commercialization of the technology from feedstock to finished product. The position will report to the Director of Engineering and Process Development, and has outstanding potential for career progression.

Job Responsibilities:

- Defines, plans and conducts process development programs and process improvement research to advance the business objectives
- Works effectively with internal and external partners to deliver the process development and capital project portfolio
- Implements and optimizes process technology from the lab through pilot scales to develop design criteria for full commercial scale operations

-Be a constructive member of the technology team; participating in the conception and implementation of new process and product technology for corporate growth and success

-Exhibits safety leadership and promotes safe operations

Job Requirements:

-Experience and proven track record in some or all of the following: process development, process safety, process engineering, and project management

-Potential leadership capability and current skill at managing interpersonal relationships

-Experience with scale-up of new process technology to commercial operation

-Passion to be a 'hands on' contributor to the process development and engineering efforts

-Strong communication skills, collaborative by nature, capable of working with multiple disciplines to meet objectives, and committed to the success of self and coworkers

-Capable of delivering a portfolio of multiple projects simultaneously

Education and Direct Experience:

-BS degree in Chemical or Biochemical Engineering required. MS or PhD in Chemical or Biochemical Engineering would be a strong plus

-At least 3 years commercial experience in the chemical, biochemical, or pharmaceutical industry with some direct experience in process development, pilot plant operations, or project management or new technologies

Draths offers competitive compensation commensurate with education and experience and a benefits package including health, dental, and vision insurance, flexible spending plans, life insurance, and 401k.

Submit your cover letter, resume/CV to engineering@drathscorporation.com

Please use the job title in the subject line of your email submission.

EOE