

# *Engineer/Sr. Engineer (Chemical Engineer or Mechanical Engineer)*

## **Summary of Your Job**

Algenol Biotech LLC is an innovative company and industry leader in developing commercial products from algae. Algenol develops new high-value products in the food and personal care industries. As an Engineer/Sr. Engineer in the Engineering and Operations department, you will work with biologists, process engineers, and pilot plant operations in the design, installation, optimization, and start-up of various commercial systems.

## **Your Essential Duties and Responsibilities include the following:**

1. Design and optimize pilot scale unit operation equipment for commercial use. Systems included, but are not limited to: separation systems, crossflow microfiltration and ultrafiltration systems, centrifuges, and high-pressure homogenizers.
2. Work with and instruct technical staff on proper functioning of unit operation equipment, and assist in troubleshooting operation equipment, when necessary.
3. Provide engineering input to multi-disciplinary Project Teams, including mass and energy balance and culture performance metric analyses.
4. Prepare engineering documentation including Process Flow Diagrams (PFD), Piping and Instrumentation Diagrams (PID), mechanical part drawings and assembly drawings.
5. Install, design, and support startup of manufacturing plant.

## **Qualifications include the following:**

1. Experience as an Engineer, including mechanical, chemical, and/or process engineering, is the most important criteria. Ten+ years of experience preferred, with **plant start-up experience required**.
2. Familiar with interpreting and creating engineering documentation, including process flow diagrams and piping and instrumentation diagrams, equipment operation and maintenance manuals, among others.
3. Understanding of lean principles, quality systems, and GMP compliance with respect to plant design a plus.
4. Excellent written and verbal communication skills are required with ability to work with multi-disciplinary teams.
5. Temperament to work within an innovative, fast-moving, start-up environment and the ability to exercise good judgement regarding the importance of timelines and deliverables.
6. Knowledge of Microsoft Outlook, Microsoft Word, and Microsoft Excel.
7. Additional competencies preferred (not required):
  - o P.E. license or E.I./E.I.T. certification
  - o Experience with piping system design
  - o Experience with drafting software packages (AutoCAD, SolidWorks)
  - o Experience with control systems (PID loops, PLC operation)

Algenol is an equal opportunity employer.

To apply: Please e-mail a PDF of your cover letter and curriculum vitae to: [jobs@algenol.com](mailto:jobs@algenol.com) reference "Engineer/Sr. Engineer" in the subject line.