

## CHEMICAL ENGINEERING INTERN

**Blue Planet** is a cleantech start-up company located in Los Gatos, California, that is developing technology, products and services related to economically sustainable carbon capture and mineralization, whereby carbon dioxide (CO<sub>2</sub>) gas from point source emitters is permanently sequestered as solid carbonate in building materials for beneficial reuse, specifically as aggregate for concrete.

Blue Planet is seeking a *Chemical Engineering Intern* for the summer of 2023 to develop process simulations for various Blue Planet System processes. The job can be located at our headquarters in Los Gatos, CA, or at our development facility in Pittsburg, CA.

Responsibilities include:

- Improving existing ASPEN simulations for various Blue Planet properties including expanding simulation capabilities and improving simulation convergence and robustness.
- Developing new ASPEN models for Blue Planet processes.
- Optimizing various process variables to improve plant economics and carbon balances.
- Documenting results at regular intervals.

As a *Chemical Engineering Intern* you may also be required to:

- Assist operations engineers in the execution of process verification protocols at the pilot plant in Pittsburg, CA.
- Assist in the construction and operation of new equipment prototypes for various unit operations at our pilot plant in Pittsburg, CA.
- Work with the Los Gatos R&D team to ensure that equipment performance correlations are verified at the pilot plant.

Blue Planet is at the cutting edge of the future of the green building industry, and this is an exciting opportunity for an eager engineer to be part of a company striving to make a difference in the world by sequestering billions of tons of CO<sub>2</sub> per year in the built environment.

The candidate should be pursuing a degree in Chemical Engineering and have completed at least the sophomore year prior to the start of the internship. Some experience with a process simulation tool such as ASPEN, ChemCAD or equivalent is required. Candidates who have done completed at least one process design project are preferred. Position is available for summer 2023. If interested, please email a pdf of your résumé to [jobs@blueplanetsystems.com](mailto:jobs@blueplanetsystems.com) with *Chemical Engineering Intern* in the subject line. Relocation benefits are not provided.