

## Process Modelling Engineer

At Carbon Engineering, our vision is to lead the world in the large-scale removal of carbon dioxide from the air, and advance our shift to a sustainable carbon-neutral society. Based in the outdoor recreation hub of Squamish, BC, this role will be a great fit for someone who feels passionately about this vision, and who wants to be a part of a fast-paced culture where contributions are noticed.

### Position Scope

This is an intermediate role for an Engineer skilled in simulating large chemical plants. Experience working for an EPC firm in chemical, petrochemical process, mining, and/or water treatment plant design would be ideal.

- Reports to the Modelling Team Lead.
- Technical Engineer with significant modelling experience working on cross-functional projects with multiple stakeholders.

### Responsibilities

- Develop Simulations
  - Track and Manage simulation inputs/assumptions
  - Coordinate QC of simulations
  - Build process simulations in Aspen Plus
  - Build custom simulation blocks in Aspen Plus
  - Use excel to simulate non-process systems such as weather
- Develop Simulation Deliverables
  - PFDs
  - Heat and Material Balances
  - Presentations of simulation data
  - Infographics from simulation data
- Assist during Engineering Design Reviews
  - HAZOPs
  - P&ID reviews
  - Control Philosophy

### Qualifications

- Education: BSc Chemical Engineering
- Experience: 4+ years of experience developing process simulations
- Fluency in Aspen Plus
- Excellent written and verbal communications skills.
- Ability to distill complex problems into simple solutions.

- A self-starter with the ability to work independently towards multiple deadlines with minimum supervision in a fast-paced environment.
- Experience and comfort working in a R&D environment.
- Thrive on doing things that have not been done before and tackling challenging problems.

If this seems like the dream job for you, send your resume to [careers@carbonengineering.com](mailto:careers@carbonengineering.com) and quote "Process Modelling Engineer" in the subject line.