

Advanced Development Engineer

Based in the outdoor recreation hub of Squamish, BC, this is an intermediate role for an engineer who understands industrial process development and has experience with fabrication and testing of prototype equipment. Experience working in the petrochemical process or alternative fuels industry would be ideal. Reporting to the Manager, Advanced Development, you will be responsible for the creation, design, and validation of new processes and equipment that lower cost and improve performance of Carbon Engineering's AIR TO FUELS™ process.

This is an opportunity to join a team focused on integrating atmospheric CO₂ into liquid fuels production and a great match for an individual who wants to be part of a start-up culture where your contributions are noticed.

Qualifications:

Education: B.Sc. in Chemical, Process or Mechanical Engineering

Experience: 5-10 years of relevant process development and characterization experience

- Conceptualization and development of new chemical processes and equipment.
- Design and implementation of benchtop/prototype scale equipment/processes for proof-of-concept characterization and experimental design intended to screen critical process variables and solve complex problems.
- Strong understanding of chemical engineering concepts including mass transfer, heat transfer, thermodynamics, kinetics, reaction engineering, and catalysis.
- Transfer of new technologies from development to production.
- Interaction with multi-disciplinary groups to identify development opportunities.
- Capex and Opex cost estimation and preparation of specifications for new processes and equipment.

In addition to technical skills, you also need to have these attributes to be the right fit:

- A self-starter with the ability to work independently towards multiple deadlines with minimum supervision in a fast-paced environment.
- Hands-on experience and comfort working in a development environment.
- Thrive on doing things that have not been done before (explorer mindset).
- Must have either landed immigrant status or Canadian Citizenship.

If this seems like the dream job for you, send your resume to careers@carbonengineering.com and quote "Advanced Development Engineer" in the subject line.