

Excellence, Innovation, Engagement

POSITION TITLE

Research Engineer (6 positions available)

LOCATION

NOVA Research and Technology Center (NRTC)
Calgary, Alberta

POSITION OVERVIEW

We have several opportunities for M.Sc. and Ph.D. Chemical Engineers at our NRTC facility. As a Research Engineer, you will work with our manufacturing sites and R&D scientists in a dynamic team environment. You will identify opportunities for the development and implementation of process improvements while increasing our understanding of olefin production and the polyolefin catalyst/process/product inter-relationship. Your interpersonal skills will enable your effective working in a multi-functional environment inclusive of various groups within R&D, Manufacturing, Licensing, Technical Services, Marketing, and Management. Your flexibility will allow you to work on long term projects while meeting the need for fast recommendations in critical situations.

RESPONSIBILITIES:

- Execute experimental trials on Bench Scale Reactors, Pilot Plants and Commercial Plants.
- Develop and validate simulation models for Olefins Production and Olefin Polymerization Technologies
- Translate computer simulation concepts and results to practical implementation at manufacturing facilities.
- Act as a technical resource to members of the R&D and manufacturing groups.
- Communicate results and make recommendations to peers and leadership.

REQUIRED EXPERIENCE:

- Strong background in Chemistry
- Development of complex models and experimentation in chemical processes, preferably in the area of olefin production or Olefin polymerization.
- Working knowledge of numerical and simulation methods, programming and commercial process simulation codes such as ASPEN.
- Development of practical solutions to technical problems with the use of modeling, simulation and experimentation.
- Excellent oral and written communication skills.

REQUIRED EDUCATION:

- M.Sc. or Ph.D. in Chemical Engineering

To respond to this posting, please send your resume to: CHRESUME@novachem.com