



NL Chemical Technology Inc.

479 E. Business Center Dr.,
Mt Prospect, IL 60056, USA
www.NLChem.com

Research or Senior Research Scientist

NL Chemical Technology, Mount Prospect, Illinois

NL Chemical Technology (NLCT), founded in 1995, is a leading international membrane technology research and development company. For 20+ years, we have been developing scientific and engineering innovations in the polymer membrane area and commercializing our R&D results. The advanced membrane and process technologies developed are for water treatment and desalination. Building on the core areas of expertise in polymer chemistry and process engineering, NLCT has developed a broad portfolio of advanced membrane manufacturing technologies. We have 2 **immediate openings** for a polymer chemist and a chemical engineer, who are highly innovative and motivated to join our multi-disciplinary research team.

It is desirable the candidates have experience with thin-film-composite membrane and membrane separation process and have industrial working experience. Manufacturing plant experience highly valuable.

Responsibilities:

- Design new or modify existing polymeric membranes
- Develop coating and surface modification of polymer membranes
- Plan and conduct laboratory chemical formulation research and process development studies
- Scale up study of pilot plant operations to commercial production
- Participate in the start-up of commercial production plants at customer site

R&D skills

- ✓ Understanding of polymer structure and function relationships
- ✓ Good understanding and knowledge of polymer chemistry and surface chemistry.
- ✓ Good knowledge of membrane separations, process engineering, water treatment, instrumental analysis and mechanical engineering is desirable
- ✓ Knowledge and experience on statistical design of experiments and Six Sigma quality control system is desirable
- ✓ Knowledge and experience with project management is a plus

Qualification:

- PhD /MS/BS in chemical engineering, material science, environmental engineering, or industrial engineering.
- PhD MS in organic chemistry or polymer chemistry Experience in polymer synthesis and modification of physical/mechanical properties of polymers including morphology and rheology or process scale-up and development is desirable.

Please send your resume to Info@NLChem.com

Company Website: www.NLChem.com

February 2018