

## **Product Development Research Scientist (Research Scientist, Chemistry)**

**NOC: 2112**

**Employer: NOVA Chemicals Corporation**

### **Business Address:**

1000 7<sup>th</sup> Ave. SW  
Calgary, AB  
T2P 5L5

### **Job details**

- **Location of Employment:**  
  
Based at the Centre for Applied Research  
2928 - 16th Street N.E.  
Calgary, Alberta  
Canada T2E 7K7
- **Salary:** \$68.79 to \$79.84 / Hour for 40.00 Hours / Week
- **Benefits:** Relocation Assistance Program, Competitive (flexible) Benefits Program available. Employees can select from: Retirement Plan, Savings Plan/Voluntary Savings Plan, Medical and Dental Benefits, Flex dollars, Health Care Spending Account, Group Life Insurance, Dependant Life Insurance, Accidental D&D Insurance, Business Travel Accident Insurance, Short and Long-term Disability. Other benefits.
- **Vacancies:** 1 Vacancy
- **Terms of employment:** Permanent, Full time
- **Start date:** As soon as possible

### **Job requirements**

**Languages:** English

**Education:** Master's degree in Chemical or Materials Engineering or Chemistry

**Experience:** 10 years' experience specifically in polymer science and engineering research & development.

**Transportation/Travel Information:** Willing and able to travel internationally, travel expenses paid by employer

**Work Location Information:** Urban area

**Work Conditions and Physical Capabilities:** Attention to detail

**Personal Suitability:** Excellent oral and written communication and presentation skills, judgement, organized, team player, accurate, ability to multitask. Problem solver, creative, innovative, adaptable. Customer-focused. Able to work independently and in a team environment.

**Additional Skills:** Participate in the commercialization of new products.

**Analytical Techniques:** Thermal analysis, Chromatography, Crystallography, Spectroscopy

**Specialization or Experience:** Chemical Engineering, Materials science (Engineering) or Chemistry

**Biochemical Studies:** Macromolecular isolation and purification

**Industrial Processes and Products Experience:** Product development

**Manufacturing Sector Experience:** Plastic. Polyolefin-based resins for various packaging applications.

**Specializations in Chemistry:** Polymer Structure-property relationships as well as polyolefin reaction and process technology. Polymer science knowledge of the different materials used in rigid and flexible packaging, including, but not limited to, polypropylene, polyamide, polyvinylidene chloride, polyolefin elastomers, as well as ethylene vinyl alcohol and ethylene vinyl acetate copolymers, would be considered an asset

### **Specific Skills**

Develop innovative new polyethylene products in support of NOVA Chemicals' target markets using the array of manufacturing capabilities available at NOVA Chemicals.

### **Responsibilities:**

- Use structure-property expertise to design new resins and generate models to predict product performance from the molecular level to the macroscopic level.
- Prepare patent landscapes on new resin architectures and capture intellectual property.
- Seek novel uses for polyethylene in flexible and/or rigid packaging applications, including material substitution, packaging redesign, and improving the sustainability of polyethylene-based packaging.
- Represent NOVA Chemicals as a solutions provider through meetings with customers and presence at conferences and tradeshows.
- Work cross-functionally with process R&D, manufacturing, marketing, technical service, sales and others, to ensure technical developments are aligned with market focused strategy.

**Work Setting:** Research institute, laboratory or centre

### **How to apply:**

**Online:**

<http://www.novachem.com/>