

Quantiam Technologies Inc. operates in “TOUGH TECH” solving some of the world’s greatest materials-related challenges. It undertakes Research and Commercialization of disruptive new products in the fields of Advanced Materials, Advanced Manufacturing, Coatings, Surfaces and Catalysis serving the Petrochemical-Chemical, Energy and CleanTech sectors.

Position Title: Research Technologist I/II/III, R & D – 1 position

Competition #: 7000-18

Compensation #: \$22.00-\$33.00/hr (depending on experience); with a 0-to-24% Performance Bonus; 40-hour work week; overtime applies; highly comprehensive competitive Benefits package; Group RRSP with matching Deferred Profit Sharing Plan.

Experience: 2 - 7 years related hands-on industrial experience would be an asset

Closing Deadline: Until Filled

Education: Materials Engineering Technology

- 2-year College Diploma in Materials Engineering Technology, Nano Systems Engineering Technology, Chemical Technology, Chemical Engineering Technology; **or**
- Completed or Partial University Bachelor degree in Materials Science, Materials Engineering or Chemistry.

Experience/Specific Skills/Background Required:

- Well-developed interpersonal skills and must have strong understanding of and adherence to written and verbal instructions concerning general procedures.
- Self-starter, highly motivated, able to work efficiently and independently as well as in a team.
- Fluent in English with excellent verbal and written communication skills.
- Strong willingness to learn and train in an advanced materials environment with extensive use of chemicals, materials and advanced equipment.
- Ability to accurately follow procedures, take direction and have strong documentation skills.
- Must adhere to the highest standards of quality, reliability, and safety including using and wearing protective personal equipment appropriately.
- Strong analytical, reporting and problem-solving skills.
- Strong attention to detail and organizational skills, with a flexible approach to work responsibilities.
- Strong work ethic with demonstrated accountability and reliable punctuality and work attendance.

Brief Job Description:

Responsibilities (with training) include the following:

- Assist in the development and characterization of novel advanced materials, surfaces, coatings and catalysts aimed at exploiting the properties of micro and nano structured materials, for use under extreme operating conditions such as high temperatures.
- Metallographic preparation of materials, coatings and surfaces for optical and electron microscopy.
- Collect and record experimental data.
- Develop proficiency with Electron Microscopy (inclusive of Field Emission) and Energy Dispersive Spectroscopy (SEM/EDS), X-ray Diffraction (XRD) and other advanced materials characterization analytical tools.
- Operation of vacuum-based high-temperature heat treatment furnaces for materials processing and performance testing.
- Operation of a range of ASTM standardised tribological instrumentation.
- Safe handling and storage of materials, some repetitive tasks.
- Reading and understanding Safety Data Sheets.

The work may assist in other areas that may include with training, the operation of:

- Coating application equipment.
- Surface pre and post finishing equipment for preparation of components for coating.
- Other advanced trial manufacturing equipment.

The position will involve a minimum of a 1-year training period and which may involve rotation assignment within R&D and in pilot-scale trial manufacturing.

We thank all applicants in advance for their interest; however only those individuals selected for an interview will be contacted.

Please forward to Human Resources a resume and cover letter in one (1) Word document or PDF document including competition number.

Quantiam Technologies Inc.

1651 – 94 Street NW

Edmonton, AB T6N 1E6 E-mail: careers@quantiam.com