

We are an innovative and growing company, offering advanced manufacturing opportunities to motivated, hard-working and energetic employees.

Position Title: Research Technologist I/II, R & T – (1 position) / Analytical & Technical Services Unit
Competition# 7000-10
Compensation Range: **\$20.00 – \$28.00/hr (depending on experience)**; with a 0-to-30% Performance Bonus; 40 hour work week; overtime applies; highly comprehensive competitive Benefits package; Group RRSP with matching Deferred Profit Sharing Plan (DPSP)
Experience: 3 – 7 years related hands-on industrial experience
Closing Deadline: until filled

Education:

- 2 year College Diploma in Chemical Technology, Nano Systems Engineering Technology, Chemical Engineering Technology or Materials Engineering Technology; **or**
- Complete or partial University Bachelor degree in Chemistry; Chemical Engineering, or Materials Engineering

Experience/Specific Skills/Background Required:

- Good laboratory scale chemicals synthesis skills; a good proficiency of laboratory glassware use.
- High level of proficiency and excellent mechanical aptitude to operate complex research equipment and demonstrated technical knowledge and ability to work with chemicals and instrumentation.
- Well-developed interpersonal skills and must have strong understanding of and adherence to written and verbal instructions concerning general procedures. Fluent in English.
- Self-starter, highly motivated and able to work efficiently and independently as well as in a team environment.
- Must demonstrate an understanding of and adherence to written and verbal instructions concerning general procedures with strong record and note keep skills.
- Strong willingness to learn and train in an advanced materials environments with extensive use of chemicals, materials and advanced equipment, and proper use of protective personal equipment
- Adhere to the highest standards of quality, reliability, and safety including using and wearing protective personal equipment appropriately.
- Strong analytical and reporting skills.
- Strong attention to detail and a flexible approach to work responsibilities.
- Good hands-on computer experience with a demonstrated data acquisition automation and digital data management skills is an asset.
- Positive ‘can-do’ attitude. Able to accommodate multiple tasks, changing priorities and advance projects under timelines required.
- Strong work ethics with demonstrated accountability and reliable punctuality and work attendance.

Brief Job Description:

Responsibilities (with training) include assisting in the following:

- Operation of complex in-house surface characterization equipment that may include FE-SEM/EDS, small-spot XPS, AES/SAM/SIMS and high temperature-surface sensitive XRD.
- Development of new methods for laser-based non destructive determination of the thickness of coatings and surfaces on internal surfaces.
- Operation of a broad-range of analytical instruments, material characterization instruments and lab-scale reactors.
- Operation of a variety of furnaces for processing and/or testing of materials.
- Synthesis of novel materials, surfaces, coatings and catalysts aimed at exploiting the properties of the micro and nano structured materials.

The position will involve a **minimum 1-year training period** and which may involve rotation assignment to a pilot-scale manufacturing or commercial-scale manufacturing.

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

Please forward your resume in a word document or PDF including competition number by closing date to:

Quantiam Technologies Inc.

Attention: Human Resources

1651 – 94 Street Edmonton, AB T6N 1E6

Email: careers@quantiam.com