

SNC Lavalin - Junior Process Engineer

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CA.ON.Toronto.195 The West Mall

Job Description

SNC Lavalin's Mining & Metallurgy team combines global-caliber expertise with deep local capabilities to provide tailored solutions for projects of any size, scope or complexity. From mine planning to mine closure, we offer a full range of services at every step of a mining project. We believe in working openly and transparently, together, delivering world-class projects. To support our growth initiatives, we are expanding our team and are looking for innovative, forward-thinking people who enjoy challenges and want to add value to project success, both locally and internationally. Your commitment and expertise will be recognized and valued as we work together for our professional and business success.

We are seeking a Junior Process Engineer or Process Engineering Intern to join our Process Department. The successful candidate will report to the Process Engineering Manager and the Process Lead on the project to which he or she is assigned.

The person in this position will work closely with all disciplines (engineering, HSE, procurement, quality, etc) and project management to manage design responsibilities and to resolve design related issues associated with the project.

To perform this role successfully, the individual will be responsible for, but not limited to, the following:

- Equipment sizing;
- Prepare design calculations and design briefs for equipment;
- Hydraulic calculations;
- Heat and mass balance preparation;
- Prepare equipment specifications and datasheets;
- Carry out technical evaluations and vendor documentation review;
- Prepare process flow diagrams and piping and instrumentation diagrams;
- Participate in process safety engineering (relief load estimation, relief system design, and relief valve sizing and selection);
- Participate in HAZOPs and close out action items;
- Write detailed engineering reports, studies and briefs;
- Participate in field engineering assignments;
- Coordinate with other disciplines to ensure a timely and accurate flow of design information, while ensuring departmental and client standards are maintained;
- Develop and recommend improvements in design standards to lower costs, improve work quality and facilitate plant maintenance;

Requirements:

- Chemical engineering or metallurgical engineering degree with 2-4 years of experience;
- Registered or eligible for registration as a P.Eng. in the Province of Ontario;
- Experience working on metallurgical projects (mineral processing, hydrometallurgy, pyrometallurgy, etc.) in extractive metallurgy for base and precious metals;
- Experience in O&G/Chemical/Petrochemical industries is an asset;
- Competent analysing outputs and running Metsim, HYSIS, PROII, FlareNet and Hydraulic Systems;
- Knowledge of process safety methodologies: HAZOP, SIL, LOPA among others;
- Excellent communications skills;
- Capable of working under tight deadlines while achieving objectives;

- Strong interpersonal skills, a positive attitude, and a desire to perform design engineering;
- Ability to deal with competing priorities and manage time appropriately;
- Strong analytical and problem solving skills;
- Working knowledge of Microsoft Office software (Word, Excel, Outlook);
- Self-starter with the ability to work independently when required;
- Strong experiences in interdisciplinary coordination.

Appropriate accommodations will be provided upon request throughout the recruitment and hiring process as required by Company policy and the Accessibility for Ontarians with Disabilities Act (AODA).

Successful applicants will be notified about SNC-Lavalin's accommodation policies at the time the employment offer is extended, and the information will be shared with new personnel during the onboarding process.

Worker Type

Employee

Job Type

Seasonal (Fixed Term) (Seasonal)