

Downstream Process Engineer
Location - Sydney, Cape Breton, Nova Scotia
Duration – One-year contract with potential extension
Salary – Depending on experience

The Verschuren Centre for Sustainability in Energy and the Environment (VC Inc) is an industrial solutions provider targeting commercialization of clean technologies in areas of marine & industrial bioprocessing, carbon transformation and renewable energy. Focal areas of bioprocessing include marine fermentation, and industrial and agri biosynthesis. The VC is seeking a capable, hard-working team player, with experience in to work with our clients in a diverse, multi-disciplinary industrial bio team.

Responsibilities

- Conduct all aspects of pilot plant downstream process unit operations, including centrifugation, depth, micro and UF filtration (TFF), distillation/evaporation and Spray Drying.
- Perform various manufacturing tasks in accordance with VC and client Standard Operating Procedures and QC standards
- Complete batch records and independently monitor and track system performance
- Troubleshoot and to maintenance of equipment operational status working with VC Process Engineer(s)
- Serve as a subject matter expert in current state-of-art pilot- and large-scale cell/metabolite recovery systems.
- Create and edit Standard Operating Procedures and adhere to all operational and microbial safety policies.
- Adoption of flexible work schedule to meet process requirements and deadlines.
- Co-ordinate between pilot and lab translation of optimization
- Other duties may be assigned depending upon operational needs

Educational Background and Required Skills

- BSc/BASc (4+ years), MSc/MASc (2+ years) or PhD (1+ years) in chemical or biochemical engineering or a related field
- Experienced in process development, execution, troubleshooting, of crossflow UF/RO filtration systems at pilot or industrial scale.
- Minimum 1+ years practical experience in industrial process operations
- Experience with pilot or manufacturing scale of DSP and spray-drying or related chemical processes is preferred
- Excellent understanding of protein separation and purification practices
- Strong Mechanical aptitude
- Ability to work as part of an engineering and biosynthesis team and able to also work independently
- Ability to prioritize tasks and ensure completion with diligence and timeliness in changeable workload.

All interested and qualified candidates are asked to send their resumes to info@verschurencentre.ca prior to July 19, 2021.