OSMOSES

Chemistry Co-op at Cleantech Start-up Osmoses

Duration: 3–12 months

Location: Greater Boston, Massachusetts

Commitment and pay: $21.00/hour. 40 hours/week.

Company mission: Industrial separation processes account for 15% of the world's energy consumption and are responsible for 16% of CO_2 emissions. This is because we still rely on energy-intensive, century-old technologies. The Osmoses team developed a clean solution to tackle this challenge: polymer materials that operate as molecular filters and allow revenue increase for our customers while significantly increasing environmental sustainability. Our membrane technologies can transform the way chemical separations are performed today, dramatically reducing industrial energy consumption while accelerating the adoption of alternative energy sources.

Co-op responsibilities:

- Work with process chemists on the team to scale up polymer synthetic processes.
- Analyze reaction outcomes and product mixtures.
- Collaborate with a multidisciplinary team of chemists, chemical engineers, and material scientists to design membrane materials.
- Maintain detailed laboratory records and contribute to regular reports.

Qualifications:

- Chemistry student with coursework and research experience in organic synthesis.
- Experience with analytical techniques such as thin-layer chromatography, NMR, GC/MS, and LC/MS.
- Self-starter and ability to work in a creative, ambiguous, and fast-paced environment.
- Excellent problem-solving, organizational, and analytical skills.
- Excellent communication and collaboration skills.

Why join Osmoses?

- Opportunity to join an excited team working on the biggest environmental challenge.
- High leadership and growth potential joining a company with strong momentum.
- Chance to connect with leaders in the energy field.
- Excellent mentorship and career development opportunity.

If interested, please email your CV to our CTO, Holden Lai (holden@osmoses.com).
We look forward to meeting you,
Osmoses