

CHBE UNDERGRAD NEWS

November was a busy time for CHBE!

We launched our **UBC Chemical and Biological Engineering Undergraduates** facebook page, had our first **Industry Night** of the year, our second **Beef & Pizza** of the semester, participated in **Lunch Around the World**, played in the SRC Futsal Playoffs (Go **CHBE Tunas!**), had another **CHBE BBQ**, and an **Ugly Christmas Sweater Party!**

We also have some Co-op experience interviews from CHBE's finishing up on their winter Co-op work terms.

Scroll down to learn more about what your fellow CHBE's have been up to outside of school:

Test Engineer at Ballard Power Systems

an interview with Jacky Chau

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Process Operator at Teck Resources Limited

an interview with Cindy Ngaserin

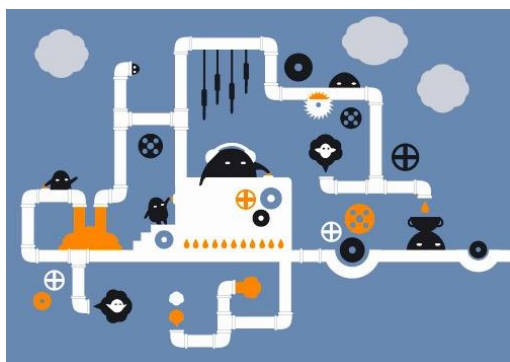
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Research Assistant at E-One Moli Energy

an interview with Mani Massah

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Facebook Page!



Like our new facebook page *UBC Chemical and Biological Engineering Undergraduates* for important events and information.

While you're on the internet check out our website too! www.chbecouncil.com



And don't forget about our Snapchat and tumblr accounts...

Industry Night!

Our first Industry Night of the year, on November 3rd, was a success. We had a great turnout of CHBE students looking to network and even sold out of tickets!



CHBE students and alumni at the first Industry Night of the year

Beef & Pizza!



4th CHBE students at the Beef & Pizza

On November 20th we had our second Beef & Pizza of the semester. Students came out to express their beef anonymously.

Lunch Around the World!



Joseph, Amy and Onjaree at Lunch Around the World

On November 20th we participated in Lunch Around the World and came in second with a Thai Curried Noodle Soup. The event sold over 400 meals.

CHBE Tunas!



Our own futsal team, the CHBE Tunas made it to the SRC playoffs and played on November 23rd. GO CHBE TUNAS! Let's win the next one ;)

CHBE BBQ!

We had a CHBE BBQ on November 27th. You know what goes well with a burger? Some CHBE Swag.



Christmas Sweater Party!



November 27th was a busy day. We also had our CHBE Christmas Sweater Party. Thanks for the food donations, and awesome sweaters!

Co-op Experience Interviews!

Continue reading to find out what some of your fellow CHBE's have been doing on their Co-op terms!

If you would like to contribute to a newsletter, contact the Publicity Officers at chbeubcpublicity@gmail.com. The CHBE Undergrad News collects and publishes submissions from CHBE undergrads so if you have a picture, drawing or writing, send them in!

Test Engineer at Ballard Power Systems

~ an interview with Jacky Chau

What company are you working for?

Ballard Power Systems

What is your position and what are your responsibilities?

Position: Test Engineer

Responsibilities: To build and test prototype and production fuel cell stacks.

What is the best part of your job?

The best part of the job is the daily interaction with other engineers and co-ops. Everyone there is friendly and willing to assist new employees. This provides a great learning environment for both experienced and inexperienced co-ops. Ballard also hires quite a few students each term so there are always relatable people working alongside. Being able to work closely with my supervisor and learning directly from him is also very rewarding.

What is the hardest part of your job?

Setting up fuel cell stacks for tests can be quite challenging especially when modifications to the test station are needed to accommodate new stacks or test conditions.

What does your work day look like?

I check to see if all test stations are running properly, crunch data and analyse fuel cell performance. I also troubleshoot any test station issues, and build and put up new fuel cell stacks for tests according to schedule.

What are some exciting things happening in your workplace/industry right now?

Ballard recently signed deals involving the deployment of fuel cell buses and the development of a new fuel cell module to power trams in China. Along with the Volkswagen deal closed in the beginning of this year to provide technology solutions, Ballard is looking forward to an exciting 2016.

Process Operator at Teck Resources Limited

~ an interview with Cindy Ngaserin

What company are you working for?

I am working at Teck Resources Limited / CESL

What is your position and what are your responsibilities?

My position is a process operator, specifically in sample preparation. I am responsible for taking samples from different circuits in the plant and measuring the pH, voltage and specific gravity.

What is the best part of your job?

The best part of my job is getting to know the many coop students that are working with me. Also, the full time employees are very helpful in terms of learning. If I have any questions or concerns, they will definitely help me to the best of their abilities and it doesn't always have to be work related.

What does your work day look like?

My daily work routine consists of taking approximately 20-25 liquid samples every four hours and processing them accordingly. Solid sampling is required once every shift where it is washed with certain pH water and pan filtered. I work 4 days on and 4 days off with 12 hours each shift.

Do you work as a team or individually?

I work in a team of three people. Since it is a demo plant, it requires more than one person to perform the sampling procedure.

Would you recommend your coop position to your friends/other CHBEs? If so what tips would you have for them?

Yes, be prepared for any changes that is made along the way and always be able to solve a problem quickly. Do not hesitant to ask any questions because there is no such thing as a stupid question. I have never seen any employee that has refused to help coop students at work.

Research Assistant at E-One Moli Energy
~ an interview with Mani Massah

What company are you working for?

E-One Moli Energy

What is your position and what are your responsibilities?

Position: Research Assistant

Responsibilities: To test new lithium ion battery materials.

What is the best part of your job?

The best of my job is how challenging it is and how much responsibility is given to us. We are expected to give weekly presentations to the research team on our findings. To succeed, we have to work efficiently throughout the week.

What is the hardest part of your job?

Since lithium ion batteries cycle for months before any data comes in, multitasking is extremely important. If you focus too much on analyzing your data, you will fall behind on new materials that need to be tested. You need to continually test material and analyze your data at the same time.

Do you work as a team or individually?

I have my own project, but I am always interacting with other people. There are two other coop students and we always help each other out. Even though we have individual projects, we still work as a team.

Thank you Jacky Chau, Cindy Ngaserin, and Mani Massah for taking the time out of your busy Co-op schedules to answer our questions!