

## Academic Student Exchange: School of Biological Sciences & Applied Chemistry

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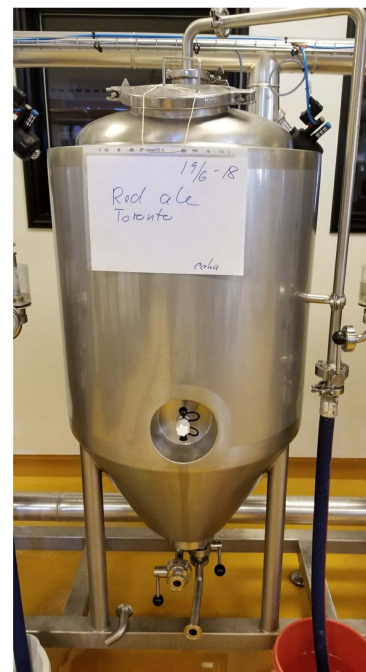
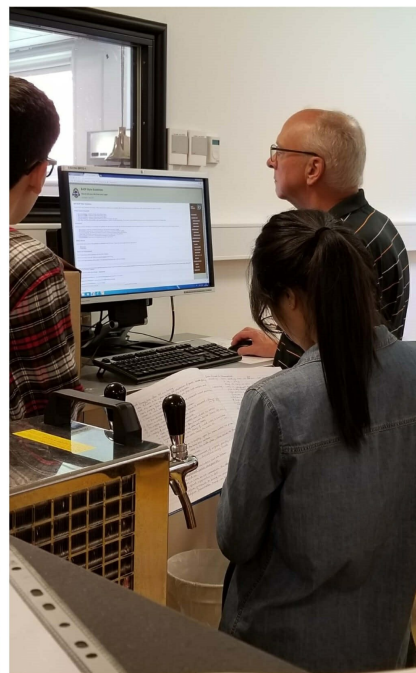
by Brynn Dooley and Margot Wassenaar-Faber, School of Biological Sciences & Applied Chemistry

in the [September 2018 issue](#)

The School of Biological Sciences & Applied Chemistry has partnered with the Business Academy Aarhus School of Laboratory, Food and Environmental Technology in a two-week exchange program with fourth-term Chemical Engineering Technology (CHY) students. The exchange opportunities allow both institutions to leverage unique learning opportunities such that one-year Danish students travel to Seneca and the subsequent year Seneca students travel to Aarhus, Denmark.

In June 2017, a group of Danish students accompanied by a faculty member joined a number of CHY students at Seneca to work on a project focused on polymer chemistry. The intent of the program is to provide curriculum to which both Seneca students and Aarhus students have not been exposed. Groups of four to five students from each institution designed a project that involved creating various polymers and then selected a number of experimental analyses of their polymer. All work is summarized in a poster presentation at the end of the two weeks.

In June 2018, a group of Seneca students travelled to Aarhus, Denmark. The exchange experience centered on beer production and various microbiological and chemical analysis. Two different batches of beer were made and from that each group was required to complete all microbiological experiments and then select two out of four chemical analytical options. Similarly, each group would report their findings in a poster presentation.



Our stay in Aarhus was about the academic experience in which students used a holistic approach to introducing scientific disciplines/concepts. Beer is about microbiology, safe food handling, analytical chemistry, flavor, and producing a marketable product.

In addition to the classroom time, our hosts planned extracurricular activities for all summer program students. Extracurricular activities included playing a unique Danish game called The Game of Kings (also known as Kubb), making our own pizzas in the Food Technology kitchen, a visit to a local Microbrewery, a guided walking tour in the city of Aarhus, watching the FIFA soccer matches on a huge outdoor screen along the harbor, and eating delicious Danish pastries and dinners. Free time was also provided for students to plan their own excursions such as a day trip to Copenhagen.

A Danish toast to our hosts and Seneca International for all their support and assistance in making this wonderful experience happen, Skål!

View the [September 2018 issue of the Academic Newsletter](#).

[September 2018 issue](#)

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