

Mount Doug Science Internship Opportunities

Xavier Pelletier High School Internship Program (Grade 11 – School nominated)

The High School Internship Program (HSIP) is an 8-week summer program that runs from July-August each summer at the **BC Cancer Agency's Trev and Joyce Deeley Research Center in Victoria**. A research facility of this caliber offers many opportunities to the surrounding community, one of which is the High School Internship Program. This program has been designed to offer students the opportunity to explore cancer research from the front lines, learning the latest techniques in the fight against cancer today and setting the ground for the future. Each student will each be responsible for a research project, which they will develop and implement from start to finish with continual support from a designated supervisor and a team of research scientists. All Secondary schools on Vancouver Island are eligible to nominate (2) Grade 11 students. Students must take Biology 11 or 12 in grade 11 to be eligible.

Mount Doug selects its 2 nominees in February. Interested students are asked to submit to Ms. Kucher in room 219 by **Monday, February 10, 2020** the following:

- a resume
- names of 2 science teachers as references (they should be willing to write a reference letter if you are nominated). You will need three reference letters in total if nominated.
- completion of the following two questions from the Application:
 - **Describe any ideas you may have on how you would cure cancer: (2500 character limit)**
 - **A choice of:**
 - A. Please describe your reasons and interest in this program: (2000 character limit) OR**
 - B. Describe your career or post-secondary education goals and how this program would facilitate them . (1500 character limit)**

The 2 selected students will then complete the application process before **March 1**. The students will attend a Saturday workshop in April, 2020 that reviews the Cancer Research done at the center. Selected students are interviewed and the final selections are made by May 1.

A **\$3,000 bursary** toward post-secondary education will be awarded to each student who successfully completes the 8-week program.

More information on the program as well as the complete application form is available on-line:

<https://www.bccrc.ca/dept/drc/students-trainees>

Young Engineers and Scientists Fellowship

(Grade 12 – School nominated)

The TRIUMF/[Life Sciences BC](https://www.lifesciencesbc.ca) Young Engineers and Scientists (YES!) Fellowship was known formerly as the TRIUMF High School Fellowship.

TRIUMF (www.triumf.ca) and Life Sciences British Columbia (LSBC <https://lifesciencesbc.ca>) are proud to announce the formation of the successor to the High School Fellowship program:

The Young Engineers and Scientists (YES!) Fellowship (<http://www.triumf.ca/academic-programs/awards-fellowships/yes-fellowship>) offers six-week summer research experiences to graduating secondary students in British Columbia entering their first year at a recognized post-secondary institution. The Fellowship includes an award of \$3,000. The intent of the YES Fellowship is to motivate graduating students with a passionate interest in science to pursue a research career by offering them the opportunity to experience a real life research environment.

A minimum of three positions will be offered at TRIUMF, for whom travel and housing allowances will be offered to students from outside Metro Vancouver who need it. These students will have taken Math 12 and Physics 12 (or equivalents) and are interested in pursuing a degree in the physical sciences or engineering. The C. Gordon Lindsay CSSE Engineering Award will be offered once again.

A further three or more positions will be offered by the LSBC for placements at local companies and/or research institutions (e.g. Centre for Drug Research and Development <http://www.cdrd.ca>). In 2018 the positions were limited to students who do not require travel or housing allowances. These students will have taken one of Biology, Chemistry or Physics 12, and are interested in pursuing a degree in the life sciences.

The YES Fellowship program offers six-week summer research experiences to graduating secondary students in British Columbia entering their first year at a recognized post-secondary institution. Every year a minimum of three student placements are offered to each of TRIUMF (physical sciences/engineering) and LSBC (life sciences).

<https://lifesciencesbc.ca/eventsoverview/lifescience-bc-programs/the-young-engineers-and-scientists-yes-fellowship-program/>

The intent of the YES Fellowship is to motivate graduating students with a passionate interest in science to pursue a research career by offering them the opportunity to experience a real life laboratory environment.

Each secondary school is eligible to nominate a maximum of two students.

The student must be nominated by their school and they require a minimum of two personal references.

Mount Doug selects its 2 nominees in early March. Interested students are asked to submit to Ms. Kucher **Friday, March 6, 2020** the following:

- a resume
- names of 2 teachers as references (they should be willing to write a reference letter if you are nominated)
- completion of the personal essay from the Application

Last year Anish Sivakumar from Mount Douglas won a YES Fellowship and was involved in Investigating Drug Research and Discovery

Please check <https://www.triumf.ca/academic-programs/awards-fellowships/yes-fellowship> for updates.