

## Program Guidelines

The Young Engineers and Scientists (YES) Fellowship offers an opportunity to BC secondary school graduates who have a passionate interest in science to experience a real-life research environment. Co-sponsored by TRIUMF and LifeSciences BC (LSBC), the fellowship includes a six-week summer work term, typically in July and early August, and a \$3,000 award that is disbursed upon completion of the work term. The Fellowship is intended to show students who are interested in pursuing a career in science what life in a real research laboratory is like.

The Fellowship will include interaction with staff scientists and graduate students, participation in group meetings and access to weekly seminars and occasional workshops. Students will learn new skills by being assigned to specific projects with one of the research teams at TRIUMF or LSBC-affiliated institutions.

## Eligibility and Nomination

Four or more fellowships will be offered annually to students who are graduating from a BC secondary school and will enter undergraduate studies in the year of nomination, within the sciences, engineering, or mathematics at a recognized post-secondary institution anywhere in the world.

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

The TRIUMF fellowships are aimed at students interested in a research career in the physical sciences (e.g. nuclear physics), the CSSE C Gordon Lindsay Memorial Award is intended for students interested in engineering, and the LSBC fellowships focus on students interested in life sciences research (e.g. genomics). Subject to the eligibility requirements laid out on the next page, students can apply to either the TRIUMF fellowship, CSSE C. Gordon Lindsay Memorial Award, or LSBC fellowship. All three awards are considered YES Fellowships.

### *CSSE C. Gordon Lindsay Memorial Award*

The Canadian Society for Senior Engineers sponsors the C. Gordon Lindsay Memorial Award, offered to a student who intends to pursue an engineering career. The Award honours Gordon Lindsay, P.Eng, FEIC, FCSSE, FEC (1925-2014), an engineer for over 60 years who was a powerful advocate for engineering and education nationwide.



The following documents must be submitted for a student to be considered for the Fellowship. The forms are described on the next page and can be found on the YES Fellowship website at: <http://www.triumf.ca/academic-programs/awards-fellowships/yes-fellowship>.

**The forms on the website are fillable PDF copies that can be saved by Adobe Reader.**

Student Information Form  
Personal Essay  
Resume

Transcripts  
Reference Forms from a minimum of 2 referees  
Reference Letters from a minimum of 2 referees

## Application Deadline

The nomination forms and letters of reference must arrive in electronic format at TRIUMF or LSBC by **Friday, April 10, 2020**. The winners of the Fellowship will be announced in May 2020.

### **Application Deadline**

All parts of the nomination, application and references must arrive in **electronic** format at TRIUMF by Friday, April 10, 2020. The winners will be announced in May 2020.

### **TRIUMF Contact**

Dana Giasson  
Student Program Coordinator  
Tel: 604 222 7565  
Main Desk: 604 222 1047  
hsfellowship@triumf.ca

## Required documents for complete application

### Student Information Form

Student must complete and sign the required sections and submit the form in electronic format. The school contact (science teacher, counselor or Principal) must complete and sign the nomination confirmation section.

### Personal Essay Max. 500 words / 2 pages

Provide an essay in letter format and address it to the members of the YES Fellowship Committee. This is an opportunity to differentiate yourself from the other nominees by providing the Committee with information that is not on your resume or in your letters of reference.

- Discuss who you are as a person, your interest in the Fellowship, what you would like to gain from the experience and how it will help you in your education and career path.
- Describe your academic goals and the topics in physics that interest you and why; and the career that you intend to pursue, the goals and the path you intend to follow to achieve them.
- Include relevant experiences such as working on a team and hands-on building, software coding, electronics experience or other such experience.
- Please also describe what you hope to get out of the YES Fellowship.
- If you wish to be considered for the CSSE C. Gordon Lindsay Award, please explain why you would be a suitable candidate.

### Resume/CV

The resume will provide an introduction to and outline of your academic and non-academic experience and achievements.

- Include any relevant school-based or extracurricular programs, courses and exams taken, workshops and events attended, non-academic awards received, paid or volunteer work (please specify amount of volunteer time), and any other relevant experiences.
- List memberships in clubs, societies, and associations both in and out of school.
- Identify any computer programming or technical skills or other special skills or hobbies.
- Identify your participation in any science fairs at the school, district, regional and/or national levels.
- List all academic awards received or won through competition in grade 11 and 12. Include scholarships, prizes and bursaries, etc.
  - Do **not** include awards for which you have applied but have not yet received.
- List all science and mathematics courses in-progress or completed but not yet available on your transcripts. Indicate if a course is an International Baccalaureate (IB) program or if it is an Advanced Placement (AP) course. If the course is completed, please provide the final grade. If an interim mark is available, please list as "In Progress" and the interim period (e.g. winter).

### Reference Form

The Reference Form is to be completed and submitted in confidence by each referee. Personal letters of references are requested from a minimum of two individuals who are familiar with the nominee's personality, work and abilities. The individuals should include:

- A teacher within mathematics and sciences, if possible, physics;
- A teacher outside mathematics and sciences;

The reference is an opportunity to support the student's application by providing information that emphasizes motivation, social skills, dedication to objectives, communication abilities, ability to work with others, creativity, judgment and significant accomplishments, including non-academic activities (e.g. volunteer or work experience). The nominee's suitability for the YES Fellowship also should be discussed.

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## Terms and Conditions

### Eligibility

- The student must be graduating (completing grade 12) at a BC secondary school and *must* be nominated by their secondary school. Each secondary school is eligible to nominate a maximum of two students (more with permission) for each of the TRIUMF and LSBC fellowships.
- *For students wishing to apply for the TRIUMF fellowship:*
  - The student must have completed **both** Math and Physics 11 and 12 (or Advanced Placement) upon graduation; and Chemistry is also recommended.
- *For students wishing to apply for the LSBC fellowship:*
  - The student must have completed **one of** Chemistry, Biology or Physics 12 (or Advanced Placement) upon graduation;
- The student must be entering the first year of a full-time degree program within the sciences, engineering or mathematics at a recognized post-secondary institution in the year of nomination. The post-secondary institution does not need to be in Canada. Please contact TRIUMF or LSBC if unsure about specific programs eligible for support.
- LSBC fellowships are limited to students who do **not** require travel or housing.

### Award Term

- The YES Fellowship comprises a six-week work term and a cash award valued at \$3,000. Three or more fellowships will be placed at each of TRIUMF and LSBC (six or more in total).
- The terms will commence in early July and be completed in mid-August. A one- or two-week extension is possible by mutual consent.
- TRIUMF will provide housing and pay return transportation costs for students from outside the Greater Vancouver region; and in exceptional cases only, students from within the Greater Vancouver region may be considered for housing.
- Following completion of the work term, each winner must submit a brief written report or present a brief presentation to on their research experience.
- The cash award is disbursed **only** upon the student's completion of the work term, submission of the report and their entrance into an eligible post-secondary degree program.

### Nomination

- Secondary schools in British Columbia may nominate a maximum of two eligible students for **each** of the TRIUMF fellowship, CSSE C. Gordon Lindsay Memorial Award and LSBC fellowship. *Contact TRIUMF or LSBC to request exceptions.*
- The nominated student must complete and submit the Student Information Form electronically, including required documents, to TRIUMF by the application deadline.
- Nominated students must also provide copies of the Reference Form to at least two referees.
- The student nominee must sign a declaration on the Student Information form that certifies the information they have provided is true, they have been nominated by their school and they agree to abide by the terms and conditions of the fellowship.
- The school contact (science teacher, counselor or principal) must sign the Student Information form confirming the student nomination, and the validity of the nominee's transcripts. The Transcripts must be signed by the school contact.
- The referees must each complete and submit the confidential Reference Form and a personal letter of reference, in electronic format, directly to TRIUMF by the application deadline.
- The deadline is for receipt of applications, not necessarily the referee reports.

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## Evaluation

- The nominations are first reviewed for completeness upon receipt - nominees or referees may be contacted to request clarification of information or to request additional information. The nominations are then forwarded to individual members of the TRIUMF High School Fellowship Committee who each conduct an independent evaluation of the nominations. The committee then meets to discuss the evaluations and to make recommendations to TRIUMF.
- The YES Fellowship Committee is comprised of representatives from TRIUMF, the LSBC as well as other expert individuals, including high teachers and university professors. The Committee recommends the recipient(s) of the fellowship to a panel of LSBC and TRIUMF judges who will make the final selection. All decisions are final.
- The nominations will be evaluated based on the information provided in Student's Personal Essay, Resume, Transcripts and the Reference Form and letters. Assessment criteria include demonstrated academic performance, non-academic achievement, and promise of future outstanding achievement in the sciences, based on personal references. There is a particular emphasis on motivation, social skills, dedication to objectives and communication skills.

## Summary

Nomination:	Completion and Submission to TRIUMF of the Student Information Form, including nomination confirmation, Personal Essay, Resume, Transcripts + Reference Form (from 2 references) and Letters of Reference
Evaluation:	Internal Review → Independent Evaluation by YES Fellowship Committee Members → Evaluation Committee Meeting → Recommendation
Selection:	TRIUMF and LSBC Judges' Selection of Recipient(s)
Notification:	Recommended Recipient(s) Contacted by Telephone and Letter
Announcement:	Public Announcement of Winner(s)
Reporting:	Final Report to TRIUMF or LSBC before end of the term.
Disbursement:	Award Released

## About TRIUMF

TRIUMF, Canada's particle accelerator centre, is located on the south campus of the University of British Columbia. It is home to the world's largest cyclotron accelerator and smaller isotope-production cyclotrons to support a diverse program of world-class research in nuclear physics, particle physics, molecular and material science, applied technology, and nuclear medicine. In addition, TRIUMF acts as an infrastructure lab for international collaborations around the world. For more information, visit [www.triumf.ca](http://www.triumf.ca)

## About Life Sciences BC

LifeSciences BC is a non-profit, industry association which supports and represents the life science community of British Columbia through leadership, investment, advocacy and promotion of our world-class life science community. LifeSciences BC undertakes numerous initiatives including; local, national and international partnerships helping to facilitate investment and global partnering opportunities while nurturing economic development in B.C. through the life sciences industry. For more information, visit [www.lifesciencesbc.ca](http://www.lifesciencesbc.ca)

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