



# HIGH SCHOOL FELLOWSHIP

## Program Guidelines

TRIUMF, Canada's national laboratory for particle and nuclear physics is located on the campus of the University of British Columbia. It is home of the world's largest cyclotron accelerator and smaller isotope production cyclotrons to support a diverse program of world-class research in nuclear physics, high-energy 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, including CERN in Switzerland, KEK and JPARC in Japan, and Jefferson Lab in Virginia. For more information, visit [www.triumf.ca](http://www.triumf.ca)

## The Fellowship

The TRIUMF High School Fellowship offers an opportunity to BC secondary school graduates who have a passionate interest in science to experience a real-life research environment at TRIUMF. The fellowship includes a six-week summer work term at TRIUMF, 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 motivate students to pursue a career in science, in particular physics.

The fellowship will include interaction with staff scientists, graduate students, undergraduate co-op students, participation in group meetings and attendance in weekly seminars. The position may also include active research with one of the many research teams and may involve physics, chemistry, computer science, or engineering. Students will learn new skills by being assigned to specific tasks or projects.

## Nomination

TRIUMF offers two or more fellowships annually to students graduating from a BC secondary school and entering the first undergraduate year within the sciences, engineering or mathematics at a recognized post-secondary institution. **The student must be nominated by their school and they require a minimum of three personal references.**

The following forms must be submitted for a student to be considered for the fellowship. The forms are described on the reverse page and can be found on the TRIUMF website at: <http://www.triumf.ca/outreach/high-school-fellowship>. The forms on the TRIUMF website are fillable PDF copies that can be saved by Adobe Reader.

- Form 1.0 School Nominations**
- Form 2.0 Student Information**
- Form 3.0 Reference**

## Deadline

The nomination forms and letters of reference must arrive in electronic format at TRIUMF by **Wednesday, February 29, 2012**. The winners of the fellowship will be announced in April 2012.

<b>Deadline</b> All parts of the nomination, application and references must arrive in electronic format at TRIUMF by Wednesday, February 29, 2012. The winners will be announced in April 2012.	<b>TRIUMF</b> 4004 Wesbrook Mall Vancouver BC V6T 2A3 <a href="http://www.triumf.ca">www.triumf.ca</a>	<b>Contact</b> Dana Giasson Student Program Coordinator Tel: 604 222 7565 Main Desk: 604 222 1047 <a href="mailto:hsfellowship@triumf.ca">hsfellowship@triumf.ca</a>
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**FORM 1.0 SCHOOL NOMINATION (to be completed and submitted by school, with copies of the nominee's transcripts)**

**FORM 2.0 Student INFORMATION (to be completed and submitted by student)**

**2.1 Contact Information**

**2.2 Personal Essay**

**Enclose essay  
Max. 500 words / 2 pages**

Provide an essay in letter format and address it to the members of the TRIUMF High School Fellowship Committee. 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 High School Fellowship. 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.

**2.3 Resume**

**Enclose copy of resume**

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

**2.4 Academic Awards**

List all academic awards received, or won through competition in grade 11 and 12. Include scholarships, prizes and bursaries, etc.

**2.5 Coursework**

List all science and mathematics courses in-progress or completed during grade 11, grade 12, or at a higher level; and include grade 11 courses taken before grade 11. 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. Interim grades given part-way through a course should be clearly indicated. The list is to be verified with your counselor's signature.

**2.6 Proof of citizenship**

**Enclose copies of documents**

Indicate if you are a Canadian citizen or a permanent resident (landed immigrant) and provide copies of proof of citizenship such as a birth certificate or immigration documents.

**2.7 Declaration**

The student certifies the information provided is true, they have been nominated by their school and agree to abide by the terms and conditions of the fellowship, if awarded. The student's teacher or counselor must also co-sign the form.

**FORM 3.0 Reference (to be completed and submitted in confidence by each referee; minimum three required)**

Personal letters of references are requested from a minimum of three 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;
- A person familiar with your interests or extra-curricular activities (e.g. employer, volunteer supervisor, sports coach).

The reference is an opportunity to differentiate the student from the other nominees by providing information that emphasizes motivation, social skills, dedication to objectives and communication abilities, as well as addressing the ability to work with others, creativity, drive, judgment and significant accomplishments or qualities, including non-academic activities (e.g. volunteer or work experience). Please also discuss nominee's suitability for the High School Fellowship.

<b>Deadline</b> All parts of the nomination, application and references must arrive in electronic format at TRIUMF by Wednesday, February 29, 2012. The winners will be announced in April 2012.	<b>TRIUMF</b> 4004 Wesbrook Mall Vancouver BC V6T 2A3 www.triumf.ca	<b>Contact</b> Dana Giasson Student Program Coordinator Tel: 604 222 7565 Main Desk: 604 222 1047 hsfellowship@triumf.ca
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# HIGH SCHOOL FELLOWSHIP

## Terms and Conditions

### Eligibility

- The student must be graduating (completing grade 12) at a BC secondary school and they must be nominated by their secondary school. Each secondary school is eligible to nominate a maximum of two students. The student must have completed both Physics 11 and 12 (or Physics B Advanced Placement) upon graduation; and chemistry is also recommended.
- 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 British Columbia or Canada. Please contact TRIUMF to verify specific programs eligible for support.

### Award Term

- The TRIUMF High School Fellowship comprises a six-week work term at the TRIUMF laboratory located on the University of British Columbia campus, and an award valued at \$3,000. Two or more fellowships are awarded annually.
- The term at TRIUMF will commence in early July and be completed in mid-August. 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 at TRIUMF, each winner must submit a brief written report or present a brief presentation to TRIUMF on their research experience. The award is disbursed conditional 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 are eligible to nominate a maximum of two eligible students for the TRIUMF High School Fellowship. *Contact TRIUMF for exceptions where nominations may exceed two students.* They must complete and submit Form 1.0 School Nominations with copies of the nominee's transcripts to TRIUMF by Wednesday, February 29 2012.
- The nominated student must complete and submit Form 2.0 Student Information electronically, including required documents to TRIUMF by Wednesday, February 29 2012. They must also provide copies of Form 3.0 Reference to a minimum of three referees.
- The student nominee must sign a declaration at the end of Form 2.0 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. Their teacher or counselor must co-sign the declaration confirming the statements.
- The referees must each complete and submit the confidential Form 3.0 Reference and a personal letter of reference, in electronic format, directly to TRIUMF by Wednesday, February 29 2012.
- The deadline is for receipt of applications.

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## Evaluation

- The nominations are first reviewed internally for completeness by TRIUMF, who may contact nominees or referees to request clarification of information in the nomination 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 TRIUMF High School Fellowship Committee is comprised of representatives from TRIUMF, the BC Association of Physics Teachers (BCAPT) and/or the BC Science Teachers' Association (BCScTA), as well as other expert individuals, including university professors. The committee recommends the recipient(s) of the fellowship to a panel of TRIUMF judges who will make the final selection. All decisions are final.
- The nominations will be evaluated based on the information provided in Form 2.0 Student Information, Form 3.0 Reference including required enclosures and by the student's transcripts. The criteria for the award include demonstrated academic performance and non-academic achievement and promise of future outstanding achievement in the sciences, in particular physics, based on personal references. There is a particular emphasis on motivation, social skills, dedication to objectives and communication skills.

## Summary

<b>Nomination:</b>	Completion and Submission to TRIUMF of Form 1.0 School Nominations with transcripts + Form 2.0 Student Information and Enclosures + Form 3.0 Reference (from 3 references) and Letters of Reference
<b>Evaluation:</b>	TRIUMF Internal Review → Independent Evaluation by TRIUMF High School Fellowship Committee Members → Evaluation Committee Meeting → Recommendation
<b>Selection:</b>	TRIUMF Judges' Selection of Recipient(s)
<b>Notification:</b>	Recommended Recipient(s) Contacted by Telephone and Letter
<b>Announcement:</b>	Public Announcement of Winner(s)
<b>Reporting:</b>	Final Report to TRIUMF
<b>Disbursement:</b>	Award Released

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