



TRIUMF 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. Its 500 MeV cyclotron and smaller isotope production cyclotrons support a diverse program of world class research in particle physics, nuclear physics and chemistry, condensed matter and materials research, and life sciences. In addition, TRIUMF acts as an infrastructure lab for international collaborations in subatomic physics at CERN, DESY, Brookhaven, Stanford, KEK, JLab and other laboratories around the world. For more information, visit www.triumf.info

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 and a \$3,000 stipend that is awarded following the work term. The fellowship is intended to motivate students to pursue a career in the sciences especially physics.

The fellowship will include interaction with scientists, 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 may learn new skills by being assigned to specific tasks or projects.

Nomination

TRIUMF offers one 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 nomination forms must be submitted for a student to be considered for the fellowship. The forms are described in this document together with program guidelines and terms and conditions of the fellowship award. The guidelines and nomination forms can also be obtained from the BC Innovation Council office or downloaded from the BC Innovation Council website at <http://www.bcic.ca>.

Form 1.0 School Nominations
Form 2.0 Student Information
Form 3.0 Reference

Deadline

The nomination forms and letters of reference must arrive at the BC Innovation Council by **Friday, January 30, 2009**. The deadline is for receipt of applications, not the postmark. The winners of the fellowship will be announced on April 1, 2009.

BC INNOVATION COUNCIL

www.bcic.ca

The BC Innovation Council (BCIC) is the lead provincial government organization charged with advancing innovation and commercialization in British Columbia. BCIC is focused on accelerating the growth of the province's science and technology communities and competitively positioning British Columbia in the global science and technology economy in order to provide significant employment opportunities and a high standard of living for British Columbians. BCIC administers the TRIUMF High School Fellowship on behalf of TRIUMF.

FORM 1.0 SCHOOL NOMINATION (to be completed and submitted by school)

FORM 2.0 STUDENT INFORMATION (to be completed and submitted by nominee)

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 major achievements to date. 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, 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 applied for and received, or won through competition in grade 11 and 12. Include scholarships, prizes and bursaries, etc.

2.5 Coursework

Enclose official transcripts

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. 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. The reference should also address ability to work with others, creativity, drive, judgment and significant accomplishments or qualities, including non-academic activities (e.g. volunteer or work experience).

SUBMIT TO:

Deadline The nomination forms and letters of reference must arrive at the BC Innovation Council by Friday, January 30, 2009. The deadline is for receipt of applications, not postmark. The winners will be announced on April 1, 2009.	BC Innovation Council 9th Floor, 1188 West Georgia St. Vancouver BC V6E 4A2 F: 604.683.6567 www.bcic.ca	Contact Tera Moon, Programs Specialist T: 604.683.2724 ext. 330 Toll Free: 1.800.665.7222 tmoon@bcic.ca
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TRIUMF HIGH SCHOOL FELLOWSHIP



Terms and Conditions

Eligibility

- The student must be 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 nominee 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 BCIC staff to verify specific programs eligible for support.

Award Term

- The TRIUMF High School Fellowship comprises a six-week work term at the TRIUMF facility on The University of British Columbia campus, and a stipend valued at \$3,000. One or more fellowships are awarded annually.
- The term at TRIUMF will commence in the second week of 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 to TRIUMF on their research experience. The stipend is awarded 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. They must complete and submit Form 1.0 School Nominations to the BC Innovation Council by Friday, January 30, 2009.
- The nominated student must complete and submit Form 2.0 Student Information including required documents to the BC Innovation Council by Friday, January 30, 2009. 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 directly to the BC Innovation Council by Friday, January 30, 2009.
- The deadline is for receipt of applications, not the postmark.

Evaluation

- The nominations are first reviewed internally for completeness by the BC Innovation Council. BCIC 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 the BC Science Teachers' Association (BCScTA), as well as other expert individuals. 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 and Form 3.0 Reference including required enclosures. The criteria for the award include demonstrated academic performance and non-academic achievement and promise of future outstanding achievement 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 BCIC of Form 1.0 School Nominations + Form 2.0 Student Information and Enclosures + Form 3.0 Reference (from 3 references) and Letters of Reference
Evaluation:	BCIC Internal Review → Independent Evaluation by TRIUMF High School Fellowship Committee Members → Evaluation Committee Meeting → Recommendation
Selection:	TRIUMF 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
Disbursement:	Stipend Released

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