

ii' taa'poh'to'p

The University of Calgary plays a key role in the Calgary community as it is a hub of curious inquisitive and civic-minded students, faculty and staff. Our campus community is foundational to fostering an environment that is respectful and inclusive of Indigenous peoples as demonstrated by the development of ii' taa'poh'to'p, the University of Calgary's Indigenous Strategy. ii' taa'poh'to'p is a commitment to deep evolutionary transformation by reimagining ways of knowing, doing, connecting and being. Walking parallel paths together, "in a good way," UCalgary is moving toward genuine reconciliation and Indigenization.

The Indigenous Summer Student Program is an opportunity for Indigenous post-secondary students to contribute to our Indigenization, while also gaining valuable work experience. This program is in partnership with Community Futures Treaty 7 and the Rupertsland Institute. As per funding rules, these roles are only available to First Nation treaty-status or Métis students.

Job Title: Student Liaison, Indigenous Land-based Education Initiatives

Department/ Unit: Biogeoscience Institute, Faculty of Science

Apply to: lauren.remple@ucalgary.ca

The **University of Calgary's Biogeoscience Institute (BGI)** school programs have engaged over 110,000 students and teachers in STEM-field research and have a long history of working with neighboring Indigenous communities.

The goal of this placement is to begin to address the need by the Indigenous peoples of the Stoney Nakoda Nation for accessible and culturally connected understanding of natural sciences, which we propose to achieve long-term through:

- Increasing literacy in science within a cultural context by working closely with SEA staff and Elders from all four communities in understanding cultural aspects of nature, and developing field trips where groups can practice inquiry;
- Providing Indigenous mentors and teachers opportunities to promote careers and skills in science by hosting a STEM career fair;
- Exploring STEM technologies by providing lab and field equipment, in addition to teaching media and communication technologies, and skills for formatting interpretive signs which will include QR codes that can be scanned to hear the text translated by an Elder into Nakoda.

Qualifications/Expertise Required:

- This placement would be ideal for any Indigenous student in the education program
- Must be returning to full-time post-secondary studies in Fall 2020
- Ability to find effective ways to promote Indigenization of the curriculum an asset
- Learn ways to incorporate Indigenous knowledge, practices, and pedagogies into curricula that can be used in future teaching career
- The student will be encouraged to form connections with the Writing Symbols Lodge and the student ambassadors in Ótáp ímisskaan (Indigenous Youth Leadership Program)

- Ability to practice communicating science and research ideas and concepts clearly to a variety of audiences through leading nature-based programs for both children and their teachers
- Learn how to design educational activities that incorporate Indigenous values into STEM curriculum while aligning with teaching standards set by the province
- Interest in developing infographics and other educational materials in programs such as the Adobe Suite, Tableau, or other software to improve visual communication skills
- Critical thinking skills to engage in project-based learning, and to build teamwork skills by working together with BGI staff, Stoney Education Authority (SEA) colleagues, and Elders to improve science education opportunities for local Indigenous communities

Accountabilities/Tasks and Duties: *(Results and outcomes expected when roles are carried out successfully, with supporting details on how results are accomplished):*

- Create and strengthen relationships with Elders from Treaty 7 lands to foster future partnerships with local Indigenous communities and promote STEM learning focused on traditional values and ecological knowledge for indigenous children
- Engage in education program development and indigenization in collaboration with the Community Liaison from MD of Bighorn
- Observe and be a facilitative participant in BGI education programming including onsite events such as the spring school programs (Grade 8-11) as well as accompanying the BGI education team on visits to Exshaw School
- Design interpretive signs documenting historical use and traditional ecological knowledge held by the local indigenous communities that will be displayed at BGI, Peter Lougheed Provincial Park, and other local points of interest
- Work with BGI staff to develop a custom high school land-based learning program for students at Morley Community School that aligns with current standards and integrate values and practices of the local communities
- Assist in the planning of Indigenous Peoples Day activities and outreach programming