

**POSITION DESCRIPTION**

Position Title	Research Intern: Kootenay Lake Geothermal Greenhouse Technology and Business Model Investigation
Department/School	Selkirk Innovates
Reports to	Sarah-Patricia Breen (Researcher), Paul Tiege (Researcher), Dan Gatto (Community Partner)
Employee Group	N/A
Pay Grade	\$21.97/hr + 4% in lieu (for current college or undergraduate students) \$23.97/hr + 4% in lieu (for recent graduates or graduate students)
Total Hours	420 hours
Number of Positions	2 positions Eligibility list may be created for other vacant positions
Work Term	Position 1: April 1, 2025 – September 1, 2025 Position 2: Tentative start date May 1, 2025 – September 30, 2025 Some flexibility with exact start and end date Variable number of hours per week
Location	Remote
How to Apply	Submit resume and cover letter as attachments to <a href="mailto:sbreen@selkirk.ca">sbreen@selkirk.ca</a> by 4:00 pm February 28, 2025 Applications by email only Email subject line should read: "Application – Geothermal Intern" Applicants must follow cover letter instructions on page 2

**POSITION SUMMARY**

This is an internship specifically designed for students to transfer their understanding of concepts and skills learned in class to a real life project and develop professional competencies related to their course of studies. Selkirk Innovates, College of the Rockies, and the South Kootenay Lake Community Services Society (SKLCSS) are hiring two research interns. SKLCSS in conjunction with the Kootenay Lake geothermal project team have been exploring, researching, and documenting the Geothermal potential of the Crawford Bay/Riondel area of Kootenay Lake. This overarching project aims to advance renewable energy transition, while addressing food security, workforce development, local purchasing and procurement, community economic vitality, technology adoption, and resident attraction.

The 2025 research internships are focused on exploring the technical and business potential of geothermal greenhouses, building a foundation for future planning and business case development.

One internship will explore the technical aspects of the greenhouses, including: geothermal heat requirements, technologies for direct heating, agricultural processes/technologies as well as products (what, why and for who's benefit), providing examples of successful analogies. The second internship will focus on exploring potential business models, including: the economics of greenhouses, potential business structures, product revenue options, and examples of successful models used in similar jurisdictions.

Together these positions will explore and assess a range of outcomes specific to Direct Heat applications for local Geothermal resources, including:

- What greenhouse technology options exist and are place appropriate

- What agricultural products are appropriate and have commercial viability
- What business structure may be appropriate
- What are the potential economic benefits
- Identification of avenues for partnership and investment attraction and supporting SKLCSS to do outreach
- Provide support to advance project funding initiatives to Pilot Project Development stage

The role will be based at Selkirk Innovates, working in collaboration with College of the Rockies and SKLCSS. The internship is open to students enrolled at any post secondary institution, so long as they reside in British Columbia. The successful applicant will be required to enroll in the Selkirk Innovates applied research internship training program, which currently does not have a fee. Applicants may be offered a position on an eligibility list to fill similar positions if available.

### COMMITMENT TO INCLUSIVE EXCELLENCE

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. In keeping with our strategic commitment to Diversity and Inclusion, Selkirk College strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity. Selkirk Innovates seeks qualified candidates who share our commitment to equity, diversity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from First Nations, Métis and Inuit peoples, members of racialized communities (“visible minorities”), persons with disabilities, women, and persons who identify as 2SLGBTQ+.

### MAIN DUTIES AND RESPONSIBILITIES

Specific duties will depend on the position the successful applicants are assigned. Successful applicants will be provided with a detailed work plan and will meet regularly with faculty and community partners. Skills required may include some or all of the following:

- Literature review or document content analysis to identify and explore transferable case studies
- Quantitative (statistical) analysis, including basic financial data
- Qualitative data collection through documents and one on one discussions
- Clearly and professionally summarizing findings in the form of tables, written briefs, and presentations

### QUALIFICATIONS

- Interest in one or more aspects of the project
- Experience with quantitative data collection and analysis (e.g., business planning)
- Experience with qualitative data collection and analysis (e.g., literature reviews)
- Ability to engage business owners and community partners
- Strong communication skills, including the ability to take detailed notes, write reports, and give presentations
- Excellent interpersonal and time management skills
- High level of professionalism and the ability to work independently and unsupervised
- Access to a personal computer with Microsoft Office programs and a suitable home workspace
- Priority may be given to applicants with backgrounds related to economics, business, and/or food systems
- Knowledge of the Crawford Bay/Riondel area will be considered an asset

### RESUME AND COVER LETTER INSTRUCTIONS

Applicants are required to submit their resume and cover as attachments. **The cover letter should include** a summary of why you are interested in the position and a detailed explanation of how your skills and experience are relevant to the position. **Cover letters can be up to two pages in length. Your cover letter will be evaluated as a sample of your writing and communication skills. As such, cover letters written by Chat GPT will be disqualified.**