

POSITION DESCRIPTION

Position Title	Geospatial and Natural Resources Intern
Department/School	Selkirk Innovates
Reports to	Kim Green, Faculty Researcher
Employee Group	Non-Union
Pay Grade	\$21.20/hr + 4% in lieu (for current college or undergraduate students)
	\$22.41/hr + 4% in lieu (for recent graduates or graduate students)
Total Hours	420 hours total – Approximately 35 hours per week
Work Term	May 8 th , 2023 – July 28, 2023
Location	Hybrid – mix of remote with on-site work. Expectation of minimum of 1 day/week on site – Castlegar campus
How to Apply	Submit resume and cover letter to kgreen@selkirk.ca by 4:00pm March 10, 2023 Email subject line should read: “Application – Geospatial and Natural Resources Intern -Hydrology focus”

POSITION SUMMARY

This research intern position is designed for students of the School of Environment and Geomatics ADGIS or BGIS programs and is ideally suited to students with a diploma in forest technology or a diploma or bachelor’s degree in Forestry or Natural Resource Management. It will meet the co-op requirement for the Selkirk BGIS program and is specifically designed to develop professional competencies and technology skills related to GIS and geomatics. Students or graduates from other schools or programs may be considered.

The research intern will work on projects under Selkirk Innovates ARD Hydrological Modeling project. The project will be supporting research related to LiDAR-based investigation of hydrological recovery in forest stands. This position will include both office and field work. Office work will be at the Applied Research and Innovation Centre in Castlegar. The majority of field work has been done for this project but some additional field work may include silviculture surveys and UAV LiDAR surveys. Office work will include processing lidar and other remote sensing data, developing maps and 3D visualizations, and contributing to reports and other communications. We are working closely with forest industry and government partners on this project who we anticipate to provide opportunities for ongoing employment.

The student will also work with their faculty supervisor and supporting Research Assistant to provide regular updates, training where necessary, and quality checks on projects. The ideal candidate is an engaged, communicative and naturally inquisitive individual who is looking to gain valuable work experience in the field of forestry related GIS and geomatics.

If not enrolled in coop, 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

Skills required may include some or all of the following:

- Produce spatial products and surface models, and write technical reports, and documents
- Identify and implement automation opportunities where appropriate
- Collect, process, and analyze geospatial data from various sources and formats
- Develop and/or deliver training related to GIS analysis and web based products,
- Assist in gathering and evaluating geospatial data using GIS related hardware and software
- Provide timely documentation of time spent on project components using Toggl or similar time tracking software
- Other duties as assigned by the internship supervisor

REQUIRED QUALIFICATIONS

- Enrolled in, or recently graduated from, a recognized post-secondary program in geographic information systems
- Recently graduated from a forestry technology, forestry or natural resource management program
- Experience conducting spatial data processing and analysis
- Experience utilizing GIS desktop software (ArcGIS Pro, QGIS)
- Demonstrated interest in a career in the natural resource sectors
- Recommended experience with python, sql, and relational databases
- Basic skills in web development
- Analytical thinking skills
- Strong communications skills
- Proven ability to complete tasks under pressure and be flexible
- Ability to prioritize work and meet deadlines
- Excellent interpersonal, time management, and task management skills
- High level of professionalism working with external clients
- Ability to work independently or as part of a team

RESUME AND COVER LETTER INSTRUCTIONS

Applicants are required to submit their resume and cover letter as attachments. The cover letter should include the following:

- Summary of why you are interested in the position.
- Explanation of how your skills and experience are relevant to the position
- Explanation of how you meet the required qualifications.

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