

Summer 2021 Sustainability Scholars Program Internship Opportunity

The UBC Sustainability Initiative (USI) is pleased to offer current UBC graduate students the opportunity to work on funded sustainability internship projects. Successful candidates work under the mentorship of a partner organization, and are immersed in real world learning where they can apply their research skills and contribute to advancing sustainability across the region.

- Visit the [Sustainability Scholars Program website](#) to learn [how the program works](#) and to [apply](#).
- Be sure to review the [application guide](#) to confirm your eligibility before applying.

Applications close at midnight on Sunday January 31, 2021.

Research project title:

Leveraging Cycling Data to Improve Decision Making at the City of Vancouver

Project description:

As part of its traffic data collection program, the City of Vancouver collects different forms of data on cycling, including but not limited to permanent counts at specific locations, short term counts, demographic counts, and surveys. In line with the City's Transport 2040 goals and the Climate Emergency Action Plan, the Traffic & Data Management team is looking to improve its understanding of cycling trends across the City and consequently improve residents' accessibility to cycling. The scholar will:

- Review the existing types of cycling data being collected at the City of Vancouver
- Understand the applications of different cycling data types
- Conduct a jurisdictional and literature review of best practices in bike data collection and trend analysis for cycling data
- Based on the data review, identify areas where there exist gaps in data collection and provide recommendations on the City's cycling data collection processes in order to ensure that cycling data collected is representative (equitably, spatially, and temporally)
- If time permits, using City of Vancouver data and learning from the literature review, provide a methodology (e.g., mathematical model) on how the existing cycling data can be extrapolated in order to track changes in cycling over time and space
 - Investigate impacts of geography, weather, slope, type of facility, or other relevant factors to integrate into the model

The Scholar will make a meaningful impact by leveraging their analytical and research skills to provide recommendations on improving existing data processes to track the City's progress in meeting its sustainable mode share targets.

Deliverables:

- A final report summarizing the project work including an overview of cycling data types, literature review, proposed methodology (if relevant), and recommendations
- Virtual presentation to the Transportation Division and other key stakeholders summarizing the work completed
- A final report or executive summary for the online Scholars Project Library

SUSTAINABILITY SCHOLARS PROGRAM

Time Commitment:

- This project will take 250 hours to complete.
- This project must be completed between May 3 – August 13.
- The scholar is to complete hours between 8:30 AM – 5:00 PM Monday – Friday (Flexible Hours), approximately 20 hours per week.

Required/preferred Skills and Background

- Demonstrated interest in sustainability
- Familiarity with research methodologies and survey techniques
- Statistical analysis
- Strong analytical skills
- Ability to work independently
- Deadline oriented
- Project management and organizational skills
- GIS training or experience an asset
- Familiarity with benchmarking methods and tools
- Comfortable working with spatial data

Applications close **midnight Sunday January 31, 2021**

Apply here: [Click here to apply](#)

Contact Karen Taylor at sustainability.scholars@ubc.ca if you have questions

Useful Resources

We are holding a special **resume preparation workshop for prospective Scholars** on January 19. [Click here for details and to register.](#)

Below are some links to useful resources to help you with your resume and cover letter (there are many more online). Some of these resources also provide information on preparing for your interview.

<https://students.ubc.ca/career/career-resources/resumes-cover-letters-curricula-vitae>

<https://www.grad.ubc.ca/current-students/graduate-pathways-success>

<https://www.grad.ubc.ca/cover-letter-cv-resume-templates-ubc-career-services>

SUSTAINABILITY SCHOLARS PROGRAM